

Federal Home Loan Bank of Des Moines Monthly Price Report

The Federal Home Loan Bank of Des Moines (Bank) is providing estimated valuations for specific Convertible, Amortizing and Non-Amortizing advances set forth below for members' information and convenience only. The estimated valuations are generated by models used for the Bank's own asset/liability management purposes. The models use 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 prices only and should not be construed as a liquidation price for the specific advance.**

It is expressly understood that in providing these valuations to members, the Bank is not performing any advisory service. The valuations are provided without representation or warranty and the member is solely responsible for any decision it makes or actions it takes based on the valuations provided. It is recommended that members maintain independent capabilities to value their asset/liability positions, including Convertible, Amortizing and Non-Amortizing advances. You should consult with your own tax, legal, accounting, credit and financial advisors with respect to the transaction structure and information detailed herein.

The table depicts valuation estimates resulting from immediate parallel interest-rate movements of plus/minus 400 basis points in 100 basis point increments. To identify your advance, locate the appropriate maturity date and verify the advance rate. The advances in report are grouped by advance type and then within each type sorted in ascending order by maturity date. Once the appropriate structure is located, read across to view the sensitivity analysis for that advance.

If you have any questions, contact the Money Desk at 800.544.3452, ext. 2122.

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
050923A00096	9/23/2005	4.86	9/22/2025	100.27649	100.2152493	100.1540965	100.0930313	100.0320534	99.97116271	99.91035894	99.84964194	99.78901151
051003A00009	10/3/2005	5.15	10/15/2025	100.59588	100.4707117	100.3458753	100.2213654	100.0971807	99.97331976	99.8497814	99.72656429	99.60366711
051107A00075	11/7/2005	5.29	11/17/2025	101.09217	100.8746838	100.6581527	100.4425659	100.2279174	100.0142008	99.80141011	99.58953916	99.37858192
060308A00014	3/8/2006	5.44	3/16/2026	102.89486	102.342602	101.7962943	101.2558449	100.7211597	100.1921465	99.6687151	99.15077723	98.63824645
060808A00022	8/8/2006	5.57	6/15/2026	104.35477	103.5434317	102.7447774	101.958509	101.1843393	100.4219897	99.67119039	98.93167967	98.20320364
070518A00023	5/18/2007	5.46	5/18/2027	106.90882	105.6326154	104.3811497	103.1537229	101.9496579	100.7683038	99.60903424	98.4712465	97.35436004
100824A00009	8/24/2010	3.91	9/2/2025	100.02363	100.018072	100.0125153	100.0069635	100.0014164	99.99587421	99.99033682	99.98480424	99.97927646
100930A00008	9/30/2010	3.82	9/30/2025	100.2823	100.1989483	100.1157378	100.0326641	99.94972706	99.86692625	99.78426136	99.70173209	99.6193381
110505A00022	5/5/2011	4.59	5/15/2026	103.17786	102.4577951	101.7478081	101.0476922	100.357242	99.67625811	99.00454625	98.3419176	97.68818842
110701A00011	7/1/2011	3.87	7/1/2026	101.85705	101.3537666	100.8567112	100.3657524	99.88076659	99.4016336	98.92823664	98.46046218	97.99819983
110719A00017	7/19/2011	3.68	7/20/2026	101.7787	101.2712582	100.7701892	100.2753624	99.78664838	99.30392166	98.82706033	98.35594598	97.89046352
110805A00014	8/5/2011	4.06	8/17/2026	103.87807	102.8932824	101.9272118	100.9793272	100.0491176	99.13609124	98.23977456	97.35971111	96.49546102
110824A00006	8/24/2011	2.69	8/24/2026	102.6718	101.6603877	100.6687109	99.69619657	98.74229427	97.80647448	96.88822755	95.98706285	95.10250783
110909A00006	9/9/2011	2.26	9/9/2026	101.25183	100.6639438	100.0846984	99.51388001	98.95128506	98.39671695	97.84998565	97.31090744	96.77930464
111007A00007	10/7/2011	3.92	10/7/2031	119.62071	114.1690995	109.0356655	104.1995242	99.64129495	95.34297941	91.28785485	87.46037642	83.8460874
111216A00001	12/16/2011	3.95	12/30/2031	124.82698	117.9137613	111.4394899	105.3738931	99.688933	94.35863469	89.35892409	84.66747998	80.26359799
120113A00012	1/13/2012	3.62	1/15/2027	105.16159	103.7639414	102.3916879	101.0441945	99.7208486	98.42105731	97.1442467	95.88986105	94.65736216
120113A00013	1/13/2012	3.87	1/15/2032	124.42384	117.4787642	110.9776549	104.8896975	99.18636719	93.84125068	88.82987937	84.12957695	79.71931958
120127A00018	1/27/2012	3.64	2/1/2027	105.3765	103.9307792	102.5121092	101.1197964	99.75316997	98.41158132	97.0944033	95.80102922	94.53087208
120127A00019	1/27/2012	3.87	1/30/2032	124.52901	117.538861	110.9981251	104.8754284	99.141744	93.77020588	88.73593754	84.01589501	79.58872305
120410A00005	4/10/2012	2.35	4/12/2027	102.87254	101.7056332	100.560196	99.43564745	98.33143212	97.24701432	96.1818775	95.1355233	94.10747074
120411A00013	4/11/2012	3.59	4/15/2027	106.15195	104.4917069	102.8656782	101.2728766	99.71234837	98.18317636	96.684478	95.21540375	93.7751355
120621A00009	6/21/2012	3.18	6/21/2032	116.04924	110.6232464	105.5286746	100.7425286	96.24355661	92.01210818	88.030004	84.2804177	80.74776755
120709A00016	7/9/2012	3.2	7/15/2027	106.45656	104.5409708	102.669453	100.840731	99.05357564	97.30680129	95.59926354	93.92985771	92.29751713
120806A00015	8/6/2012	2.38	8/6/2027	102.58893	101.5287575	100.4893604	99.47014957	98.47055521	97.49002876	96.52804203	95.58408622	94.65767104
120807A00026	8/7/2012	2.42	8/9/2027	102.63202	101.5712815	100.53134	99.51159831	98.51148614	97.53045446	96.56797468	95.62353758	94.69665249
120808A00006	8/8/2012	2.06	8/9/2027	102.3224	101.2637873	100.2259474	99.20828699	98.21023581	97.23124493	96.27078583	95.32834941	94.40344509
120827A00048	8/27/2012	2.01	8/27/2027	103.33327	101.8174772	100.336328	98.88876924	97.47379133	96.09042266	94.73772801	93.41480687	92.12079189
120827A00052	8/27/2012	2.01	8/27/2027	103.33327	101.8174772	100.336328	98.88876924	97.47379133	96.09042266	94.737728	93.41480687	92.12079189
121116A00006	11/16/2012	2.64	11/13/2025	100.47591	100.270554	100.0660511	99.86239547	99.65958171	99.45760455	99.25645876	99.05613913	98.85664052
121116A00021	11/16/2012	2.35	11/17/2025	100.45544	100.2388854	100.023282	99.80861994	99.59489302	99.38209505	99.1702199	98.95926151	98.74921384
121116A00022	11/16/2012	2.78	11/16/2029	113.03427	108.619401	104.4030893	100.375287	96.52651586	92.84783029	89.33078439	85.9674007	82.75014131
121120A00010	11/20/2012	1.93	11/22/2027	102.70376	101.4345859	100.1963803	98.98807686	97.80865775	96.65714975	95.53262215	94.43418436	93.36098377

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
121120A00011	11/20/2012	2.22	11/22/2027	104.87596	102.9078821	100.9921439	99.1269889	97.31073188	95.5417565	93.81851182	92.13950911	90.50331887
121217A00009	12/17/2012	2.02	12/17/2027	103.01265	101.6596054	100.3365848	99.04268112	97.77701874	96.53875549	95.32708101	94.14121522	92.98040704
130107A00002	1/7/2013	3.22	1/18/2028	108.34948	105.8956306	103.5101453	101.1907373	98.93521322	96.74146559	94.60746867	92.5312749	90.51101135
130206A00004	2/6/2013	2.14	2/7/2028	103.52793	102.0179089	100.5429321	99.10191882	97.69383069	96.31766878	94.97247188	93.65731476	92.37130655
130206A00009	2/6/2013	2.83	2/7/2028	106.62009	104.422076	102.2856434	100.2086609	98.18908907	96.22497244	94.3144351	92.45567711	90.6469708
130211A00017	2/11/2013	3.27	2/15/2028	108.74971	106.2112853	103.745698	101.3504419	99.02311065	96.7613952	94.56307906	92.42603407	90.34821628
130405A00007	4/5/2013	2.91	4/17/2028	108.59328	105.8781165	103.2450994	100.6912279	98.21363125	95.80956329	93.47639589	91.21161296	89.01280485
130424A00005	4/24/2013	3.07	4/24/2030	115.63191	110.7057981	106.0206696	101.5634097	97.32169399	93.28393355	89.43922643	85.77731312	82.28853493
130531A00021	5/31/2013	3.22	5/30/2028	109.83854	106.986471	104.2236096	101.546574	98.95213341	96.43720395	93.9988402	91.63422802	89.34067751
130913A00018	9/13/2013	3.72	9/13/2028	106.26069	104.6025548	102.9917958	101.4266828	99.90556406	98.42685982	96.98905849	95.59071327	94.23043892
130926A00009	9/26/2013	4	10/2/2028	113.48786	110.2282037	107.0808504	104.0412697	101.1051468	98.26836675	95.52700378	92.87731146	90.31571322
131018A00006	10/18/2013	3.28	10/20/2025	100.67778	100.4543423	100.2319107	100.0104803	99.79004439	99.57059617	99.35212893	99.13463602	98.91811085
131217A00024	12/17/2013	4.34	1/2/2029	115.46987	111.9223567	108.5047758	105.2116805	102.0378857	98.97844966	96.02866094	93.18402681	90.44026176
140219A00005	2/19/2014	3.13	2/20/2029	106.24564	104.3633832	102.5345446	100.7571763	99.0294122	97.3494679	95.71563663	94.12628528	92.57985068
140423A00036	4/23/2014	4.03	4/23/2029	115.72546	111.850842	108.129354	104.5540605	101.1183826	97.81607774	94.64122006	91.58818251	88.65161971
140521A00019	5/21/2014	3.43	5/22/2028	110.34428	107.5072903	104.758416	102.0943404	99.51189417	97.00805079	94.57991862	92.22473383	89.93985363
140626A00036	6/26/2014	3.55	6/26/2029	114.88784	110.8387169	106.9565235	103.2335015	99.66229094	96.23591113	92.94773886	89.79148831	86.76119204
140717A00027	7/17/2014	3.14	7/17/2026	102.84928	101.9117282	100.9917268	100.0887846	99.20242621	98.33219387	97.4776465	96.63835907	95.81392184
140815A00032	8/15/2014	3.59	10/15/2029	115.87176	111.4969948	107.3145899	103.3150167	99.4892715	95.82884535	92.32569424	88.97221079	85.76119799
140911A00033	9/11/2014	3.02	9/13/2027	104.90379	103.3500542	101.8344198	100.3556594	98.91259762	97.50410595	96.12910071	94.78654078	93.47542559
140917A00030	9/17/2014	3.23	9/17/2029	112.57983	108.8499385	105.2767703	101.852736	98.57065801	95.42374823	92.40558449	89.51008857	86.73150562
140924A00057	9/24/2014	3.25	9/25/2028	110.60458	107.5291306	104.5595783	101.6916133	98.92113275	96.24422716	93.65716944	91.15640519	88.7385435
141117A00011	11/17/2014	3.81	11/17/2034	130.6379	120.5559654	111.3626254	102.9740731	95.31484613	88.31695275	81.91909547	76.06597891	70.70769271
150203A00027	2/3/2015	2.26	2/4/2030	105.94394	103.5517053	101.2422061	99.01188629	96.85736575	94.77543364	92.7630387	90.81728015	88.93539926
150319A00012	3/19/2015	3.13	3/19/2029	112.06512	108.3569442	104.7928951	101.3665739	98.07190296	94.903108	91.85470079	88.92146342	86.09843336
150319A00013	3/19/2015	3.25	3/19/2030	115.82166	111.0044744	106.418431	102.0511938	97.89114872	93.9273603	90.14952857	86.5479486	83.11347286
150427A00014	4/27/2015	2.98	4/27/2035	114.51911	109.1320762	104.1033048	99.40486106	95.01122855	90.8990833	87.04708959	83.43571587	80.04706907
150601A00261	6/1/2015	3.19	2/11/2033	112.84461	108.7017432	104.7798926	101.0650337	97.54414557	94.20512995	91.03673963	88.02851258	85.17071175
150601A00270	6/1/2015	3.12	3/21/2031	109.669	106.6488307	103.7537867	100.977556	98.31419713	95.75810996	93.30401415	90.94692857	88.68215233
150601A00396	6/1/2015	3.61	1/3/2029	106.47688	104.7064718	102.984992	101.3106846	99.68187243	98.09695068	96.55438338	95.05269987	93.59049152
150601A00405	6/1/2015	4.63	1/17/2034	135.25972	125.8316402	117.1629175	109.1877255	101.8462814	95.08426288	88.852284	83.10542255	77.8027956
150601A00411	6/1/2015	3.38	1/24/2029	106.08755	104.3203514	102.6020781	100.9309688	99.30534367	97.72359559	96.1841864	94.68564345	93.22655636
150601A00426	6/1/2015	3.37	2/21/2029	106.22196	104.4107469	102.6505895	100.9396306	99.27609287	97.65827647	96.08455545	94.55337387	93.06324223

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
150601A00440	6/1/2015	3.27	3/16/2029	106.19213	104.3393031	102.5396386	100.7911719	99.09202722	97.44041165	95.83461102	94.27298575	92.75396706
150601A00450	6/1/2015	3.28	4/27/2029	106.36022	104.4620674	102.6193651	100.8300304	99.09207846	97.40361326	95.76282314	94.16797629	92.61741669
150601A00460	6/1/2015	3.05	5/16/2029	106.07243	104.1362938	102.2576851	100.4344166	98.66440125	96.94564657	95.27624968	93.65439261	92.07833787
150601A00475	6/1/2015	3.04	6/1/2029	106.05658	104.1196702	102.2403541	100.416442	98.64584233	96.92655856	95.25668399	93.63439708	92.05795705
150601A00477	6/1/2015	3.21	6/1/2029	106.65565	104.6685982	102.7411104	100.8709053	99.05581005	97.29375115	95.58274856	93.92091101	92.30643134
150601A00506	6/1/2015	3.14	7/6/2029	106.52225	104.4959148	102.5317975	100.627471	98.780621	96.98904021	95.25062251	93.56335755	91.92532577
150601A00512	6/1/2015	3.79	7/16/2029	115.52849	111.4186184	107.4800537	103.7047566	100.0851073	96.61388153	93.28422729	90.08964402	87.02396269
150601A00523	6/1/2015	4.55	7/25/2031	126.8253	120.3047761	114.1723002	108.4026253	102.9722732	97.85940364	93.04369252	88.50621881	84.22936102
150601A00528	6/1/2015	3.08	7/27/2029	106.40805	104.3820312	102.4182868	100.5143882	98.66801598	96.87695803	95.13910383	93.45243898	91.81504014
150601A00559	6/1/2015	3.06	8/31/2029	106.50662	104.4366104	102.4313055	100.4881428	98.60467988	96.778589	95.00765026	93.2897461	91.62285576
150601A00664	6/1/2015	3.78	1/16/2032	123.49956	116.5808931	110.1051937	104.0416875	98.36188743	93.03941655	88.04984139	83.37051962	78.98046018
150601A00665	6/1/2015	3.82	1/14/2033	126.21559	118.1798569	110.727714	103.8134873	97.3953045	91.43476039	85.89661378	80.74851169	75.96073913
150601A00666	6/1/2015	3.88	1/16/2035	131.10357	120.8386733	111.4922699	102.976532	95.21247625	88.12903092	81.66220589	75.75435412	70.35351315
150601A00667	6/1/2015	3.88	1/16/2036	133.08043	121.7315355	111.4910842	102.2436801	93.88653709	86.32803866	79.48647226	73.28891208	67.67023302
150601A00668	6/1/2015	3.89	1/16/2037	134.74798	122.3426906	111.2489686	101.3192944	92.42350966	84.44669557	77.28731646	70.8555985	65.07211179
150601A00736	6/1/2015	2.87	5/1/2030	107.14564	104.7267761	102.3934166	100.1418034	97.96836974	95.8697311	93.8426747	91.88414952	89.99125697
150601A00851	6/1/2015	7.12	4/30/2027	106.15792	105.2646007	104.3875257	103.5262438	102.6803188	101.8493306	101.032875	100.2305628	99.44201894
150601A00864	6/1/2015	7.37	3/31/2028	110.16062	108.7347867	107.3416177	105.9800916	104.6492279	103.3480845	102.0757562	100.8313726	99.61409685
150601A00868	6/1/2015	7.08	6/5/2028	110.7454	109.1779758	107.648673	106.1562449	104.6994977	103.2772861	101.888511	100.5321174	99.20709183
150601A00871	6/1/2015	6.74	7/31/2028	110.55979	108.9478281	107.3759542	105.8428413	104.347218	102.8878644	101.4636104	100.0733324	98.71595169
150601A00872	6/1/2015	7.42	7/31/2028	111.62989	110.0016197	108.4138406	106.8652148	105.3544578	103.8803377	102.4416722	101.0373265	99.66621097
150601A00875	6/1/2015	7.14	9/29/2028	111.86262	110.1395771	108.4611295	106.8257543	105.2319964	103.6784614	102.1638125	100.6867676	99.24609649
150601A00883	6/1/2015	6.21	11/30/2028	110.90292	109.1047501	107.3549371	105.6517788	103.9936504	102.3789963	100.8063269	99.27421534	97.78129385
150601A00888	6/1/2015	5.92	3/1/2029	111.23587	109.2960801	107.4114363	105.5799237	103.7996127	102.0686583	100.3852962	98.74783802	97.15466798
150601A00889	6/1/2015	6.55	3/2/2029	112.43063	110.4691486	108.563439	106.7114571	104.9112515	103.1609565	101.4587877	99.80303778	98.19207276
150601A00893	6/1/2015	6.49	4/6/2029	112.92145	110.8609557	108.861084	106.9195579	105.0342	103.2029303	101.4237616	99.69479439	98.01421236
150601A00897	6/1/2015	6.15	5/28/2029	112.54399	110.4434164	108.4057954	106.4287185	104.5098897	102.6471177	100.8383102	99.08146868	97.37468335
150601A00899	6/1/2015	7.07	6/14/2029	113.94156	111.8590356	109.838887	107.8787192	105.9762499	104.129301	102.3357933	100.5937411	98.90124742
150601A00905	6/1/2015	6.14	10/29/2029	113.98331	111.6234396	109.340422	107.1311122	104.9925181	102.9217915	100.91622	98.9732196	97.09032748
150601A00906	6/1/2015	6.2	11/1/2029	114.1214	111.7584077	109.4723785	107.2601628	105.1187638	103.0453289	101.0371414	99.09161309	97.20627753
150601A00912	6/1/2015	5.96	11/30/2029	113.8567	111.4532429	109.1293077	106.8815984	104.706978	102.6024619	100.5652099	98.59251769	96.68180953
150601A00916	6/1/2015	7.27	4/5/2030	134.29699	129.0063849	123.9661233	119.1628852	114.5841329	110.2180629	106.0535587	102.0801471	98.28795682
150601A00927	6/1/2015	6.08	8/7/2030	115.89244	113.151597	110.5122593	107.9697707	105.5197201	103.1579306	100.8804453	98.6835142	96.56358208

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
150601A00928	6/1/2015	5.94	8/21/2030	115.5441	112.8084793	110.1742601	107.6367819	105.1916349	102.8346438	100.5618534	98.36951537	96.25407628
150601A00929	6/1/2015	5.91	8/30/2030	116.26098	113.382142	110.6120753	107.9457269	105.3783151	102.9053137	100.5224374	98.22562676	96.01103479
150601A00935	6/1/2015	6.46	11/21/2030	118.70922	115.6251385	112.6623836	109.8151122	107.077807	104.4452554	101.9125308	99.47497491	97.12818107
150601A00939	6/1/2015	5.79	1/17/2031	117.2814	114.1410754	111.1275472	108.2345714	105.456256	102.7870413	100.221678	97.75520867	95.3829489
150601A00943	6/1/2015	6.44	5/9/2031	120.4591	117.0386161	113.7633611	110.6258495	107.6190401	104.7363046	101.9714011	99.31844791	96.77190135
150601A00948	6/1/2015	6.04	10/22/2031	119.08384	115.6592654	112.3851946	109.253572	106.2568323	103.3878713	100.6400139	98.00698594	95.48288668
150601A01024	6/1/2015	5.33	2/27/2026	102.55081	102.0468233	101.547794	101.053651	100.5643227	100.079739	99.59983118	99.12453168	98.65377435
150601A01041	6/1/2015	5.99	10/2/2036	135.28686	128.0551736	121.3668987	115.174466	109.434908	104.1093754	99.16271125	94.56307214	90.28159048
150603A00012	6/3/2015	2.77	6/3/2030	107.70718	105.1008453	102.5900935	100.1705993	97.83826214	95.58919638	93.41971849	91.32633508	89.30573176
150604A00039	6/4/2015	2.82	6/4/2030	107.83824	105.2286815	102.71483	100.2923516	97.95714052	95.7053061	93.53316004	91.43720445	89.41412068
150610A00008	6/10/2015	3.58	6/10/2030	118.49062	113.3636518	108.4925369	103.8630949	99.46200967	95.27677282	91.29562966	87.50752958	83.90207988
150714A00003	7/14/2015	3.76	7/12/2030	110.49706	107.7780551	105.160221	102.6389205	100.2097631	97.86859054	95.61146273	93.43464499	91.33459585
150721A00027	7/21/2015	3.74	7/22/2030	119.29385	114.0391884	109.0518702	104.316875	99.8201046	95.54831974	91.48908345	87.63070849	83.96220835
150803A00033	8/3/2015	3.41	8/2/2030	115.39991	110.7956503	106.4200968	102.260436	98.30464388	94.54143435	90.96020965	87.55101474	84.30449479
150803A00036	8/3/2015	3.41	8/2/2030	115.39991	110.7956503	106.4200968	102.260436	98.30464388	94.54143435	90.96020965	87.55101474	84.30449479
150803A00037	8/3/2015	3.41	8/2/2030	115.39991	110.7956503	106.4200968	102.260436	98.30464388	94.54143435	90.96020965	87.55101474	84.30449479
150803A00038	8/3/2015	3.41	8/2/2030	115.39991	110.7956503	106.4200968	102.260436	98.30464388	94.54143435	90.96020965	87.55101474	84.30449479
150803A00039	8/3/2015	3.01	8/2/2030	108.28673	105.5847403	102.9844976	100.4812889	98.07065557	95.74837702	93.51045595	91.35310517	89.27273512
150803A00041	8/3/2015	3.01	8/2/2030	108.28673	105.5847403	102.9844976	100.4812889	98.07065557	95.74837702	93.51045595	91.35310517	89.27273512
150803A00042	8/3/2015	3.01	8/2/2030	108.28673	105.5847403	102.9844976	100.4812889	98.07065557	95.74837702	93.51045595	91.35310517	89.27273512
150817A00099	8/17/2015	3.19	8/17/2027	106.76626	104.7575187	102.7969933	100.8832279	99.01482049	97.19042073	95.40872768	93.66848763	91.96849202
150819A00013	8/19/2015	3.51	8/19/2030	118.38237	113.0715565	108.0351695	103.2575627	98.72405993	94.42089251	90.33513899	86.45466843	82.7680881
150826A00038	8/26/2015	2.94	8/26/2026	102.93669	101.9308406	100.9446307	99.9774867	99.02885942	98.09822067	97.18506216	96.28889461	95.40924685
150826A00039	8/26/2015	3.22	8/27/2029	114.1716	109.9629296	105.9350064	102.079101	98.38694987	94.85073118	91.46303839	88.21685609	85.10553716
150925A00034	9/25/2015	2.36	9/25/2025	100.13443	100.0650445	99.9957634	99.92658671	99.85751419	99.78854563	99.71968078	99.65091942	99.58226131
150929A00076	9/29/2015	2.28	9/29/2025	100.14905	100.0685727	99.9882294	99.90801601	99.82793229	99.74797793	99.66815262	99.58845606	99.50888796
150929A00083	9/29/2015	2.09	9/29/2025	100.13936	100.0588396	99.97844969	99.89819041	99.81806145	99.7380625	99.65819325	99.57845338	99.49884259
150929A00087	9/29/2015	2.09	9/29/2025	100.13936	100.0588396	99.97844969	99.89819041	99.81806145	99.7380625	99.65819325	99.57845338	99.49884259
151001A00023	10/1/2015	2.02	10/1/2025	100.14068	100.0560107	99.97148035	99.88709321	99.80284892	99.71874711	99.63478744	99.55096954	99.46729305
151013A00033	10/13/2015	2.23	10/14/2025	100.18507	100.0837951	99.98273624	99.88189518	99.78127114	99.68086338	99.58067117	99.48069376	99.38093042
151029A00008	10/29/2015	2.28	10/29/2025	100.23456	100.1110694	99.98791244	99.86509052	99.74260223	99.62044611	99.49862071	99.37712459	99.25595634
151030A00026	10/30/2015	3.29	10/30/2030	115.60933	110.8055884	106.2497821	101.9274728	97.82514867	93.93016197	90.23066872	86.71557255	83.37447311
151106A00011	11/6/2015	3.1	1/15/2026	101.0835	100.7029022	100.3251839	99.95030896	99.57824514	99.20896079	98.84242475	98.47860627	98.11747511

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
151116A00025	11/16/2015	3.04	11/14/2025	100.55575	100.3476233	100.1403727	99.9339907	99.72847177	99.52381045	99.32000131	99.11703899	98.91491815
151118A00037	11/18/2015	2.75	11/18/2025	100.73985	100.4431614	100.1482536	99.85510761	99.56370758	99.27403776	98.9860826	98.69982677	98.41525508
151120A00019	11/20/2015	2.72	11/20/2030	108.20993	105.372389	102.6463784	100.0265352	97.50779112	95.08535743	92.75470801	90.51156297	88.35187358
151125A00037	11/25/2015	2.41	11/25/2025	100.33889	100.1750808	100.0118853	99.84930097	99.68732425	99.52595137	99.36517865	99.20500246	99.04541917
151204A00011	12/4/2015	2.28	12/4/2025	100.39053	100.198081	100.0064779	99.81571062	99.62577345	99.43666052	99.24836606	99.06088439	98.87420986
151209A00024	12/9/2015	2.22	12/9/2025	100.38679	100.190888	99.99586812	99.80172251	99.60844484	99.41602883	99.22446826	99.03375695	98.8438888
151223A00072	12/23/2015	2.81	12/23/2025	100.83384	100.5169601	100.2020847	99.88919129	99.57826118	99.26927582	98.9622169	98.65706638	98.35380642
151223A00074	12/23/2015	3.01	12/23/2027	107.77809	105.398879	103.0843118	100.8322524	98.6406454	96.5075164	94.4309684	92.4091781	90.44039251
151223A00077	12/23/2015	3.57	12/24/2035	131.14425	119.9095636	109.7709202	100.6145012	92.33889	84.85366027	78.07813365	71.94028318	66.37576508
151223A00078	12/23/2015	2.28	12/23/2025	100.42102	100.2153526	100.0106834	99.80700131	99.60429845	99.40256707	99.20179949	99.00198814	98.80312552
151228A00013	12/28/2015	2.27	12/29/2025	100.42694	100.2177996	100.0096984	99.80262626	99.59657474	99.39153552	99.18750038	98.98446117	98.78240987
151229A00026	12/29/2015	2.28	12/29/2025	100.43063	100.2207953	100.0120026	99.80424744	99.59752136	99.39181588	99.18712264	98.98343341	98.78074004
151229A00079	12/29/2015	3	12/30/2025	100.92958	100.593367	100.2593881	99.92762317	99.59805014	99.2706474	98.9453936	98.62226765	98.30124875
151229A00080	12/29/2015	3.49	12/30/2030	119.35387	113.640246	108.2400684	103.1344916	98.30589887	93.73781397	89.41482207	85.322496	81.44732831
151229A00081	12/29/2015	3.76	12/31/2035	132.33608	121.0662785	110.8940674	101.7055523	93.39924085	85.8846326	79.08097743	72.9161796	67.32583001
160106A00042	1/6/2016	2.43	1/6/2026	100.51827	100.2781768	100.039431	99.80202487	99.56594618	99.33118285	99.09772293	98.86555465	98.63466636
160115A00011	1/15/2016	2.18	1/15/2026	100.46926	100.2242965	99.9807604	99.73863598	99.49790977	99.25856852	99.02059913	98.78398869	98.54872445
160119A00019	1/19/2016	2.95	1/19/2027	104.26376	102.8618577	101.4856129	100.1343804	98.80753743	97.50448148	96.22462936	94.96741655	93.73229639
160119A00025	1/19/2016	3.05	1/19/2028	107.94709	105.4954427	103.1121927	100.7950561	98.54183571	96.35042049	94.21878136	92.14496763	90.12710347
160119A00026	1/19/2016	3.14	1/19/2029	111.54297	108.0151469	104.6188052	101.3483541	98.1984719	95.16409013	92.24038013	89.42274041	86.70678472
160119A00027	1/19/2016	3.25	1/18/2030	115.28434	110.6543006	106.2391175	102.0277031	98.009599	94.17493643	90.51440034	87.01919532	83.68101408
160119A00028	1/19/2016	3.34	1/21/2031	118.69071	112.933794	107.4962243	102.3586032	97.50280713	92.91189824	88.57004037	84.46242224	80.57518605
160119A00029	1/19/2016	3.39	1/20/2032	121.33746	114.4762105	108.0561526	102.0465435	96.41893124	91.14697685	86.20628667	81.57425967	77.22994712
160119A00030	1/19/2016	3.44	1/18/2033	123.80381	115.8446869	108.4661424	101.6226035	95.27230016	89.37692946	83.90135124	78.81331218	74.08319511
160119A00072	1/19/2016	2.77	1/21/2031	108.87935	105.7281701	102.7112607	99.82168572	97.05292185	94.39882664	91.85361403	89.41183139	87.06833818
160126A00004	1/26/2016	2.52	1/26/2026	101.20187	100.7077519	100.2184734	99.73396313	99.25415152	98.77897037	98.3083528	97.84223319	97.38054721
160129A00066	1/29/2016	3.04	1/29/2031	117.50473	111.7436778	106.3043116	101.1669778	96.31332607	91.72621248	87.3896142	83.28855062	79.40901046
160129A00067	1/29/2016	2.53	1/29/2026	101.01418	100.5944327	100.1781744	99.76535762	99.35593967	98.94987873	98.54713365	98.14766392	97.7514297
160201A00016	2/1/2016	2.1	2/2/2026	100.52797	100.2450905	99.96411621	99.68502694	99.40780199	99.13242103	98.85886401	98.58711121	98.3171432
160209A00006	2/9/2016	1.91	2/9/2026	100.48115	100.1947197	99.9102574	99.62774357	99.34715628	99.06847394	98.79167531	98.51673947	98.24364584
160209A00008	2/9/2016	2.45	2/10/2031	107.56064	104.6146379	101.7888917	99.07742035	96.47458498	93.97506699	91.57384771	89.26618944	87.04761781
160210A00042	2/10/2016	2.57	2/10/2026	101.08728	100.6345315	100.1858421	99.74115651	99.30042108	98.8635833	98.43059151	98.001395	97.57594391
160210A00049	2/10/2016	1.78	2/10/2026	100.4645	100.1774415	99.89236709	99.60925309	99.3280773	99.04881789	98.77145338	98.49596262	98.2223248

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
160210A00051	2/10/2016	2.28	2/10/2031	107.26687	104.3250186	101.5033795	98.79596911	96.19714529	93.70158672	91.30427247	89.00046295	86.78568226
160210A00054	2/10/2016	1.78	2/10/2026	100.4645	100.1774415	99.89236709	99.60925309	99.3280773	99.0488179	98.77145338	98.49596263	98.2223248
160211A00036	2/11/2016	2.41	2/11/2026	101.02154	100.5662036	100.1149755	99.66779906	99.2246197	98.78538391	98.35003911	97.91853367	97.49081685
160211A00038	2/11/2016	1.83	2/11/2026	100.45987	100.1725739	99.88726769	99.60392587	99.32252618	99.04304671	98.76546591	98.48976256	98.21591578
160212A00037	2/12/2016	3.03	2/12/2031	117.13105	111.3520717	105.8978135	100.7483152	95.88494394	91.29029961	86.94812733	82.84323629	78.96142486
160212A00047	2/12/2016	1.94	2/12/2026	100.49245	100.2046023	99.91875144	99.63487376	99.35294687	99.0729487	98.79485752	98.51865197	98.24431098
160222A00005	2/22/2016	2.79	2/22/2028	107.61305	105.0685419	102.5977033	100.1979771	97.86691005	95.60214867	93.40143476	91.26260085	89.18356596
160222A00018	2/22/2016	2.59	2/23/2026	101.18958	100.7006076	100.2163595	99.73676552	99.26175864	98.79127328	98.32524506	97.86361082	97.40630861
160222A00019	2/22/2016	3.09	2/21/2031	117.52826	111.7110549	106.2220616	101.0410169	96.14901098	91.52839075	87.16267035	83.03644802	79.13532939
160303A00020	3/3/2016	2.97	3/3/2031	117.34392	111.4877198	105.9640378	100.7522241	95.83301408	91.18843116	86.8016945	82.65713323	78.74010745
160303A00035	3/3/2016	2.14	3/3/2026	100.60847	100.2961705	99.98640836	99.67914675	99.37435247	99.07199296	98.77203626	98.47445097	98.17920627
160307A00024	3/7/2016	2.17	3/6/2026	100.64385	100.3158542	99.99045977	99.66763361	99.34734237	99.02955334	98.71423438	98.40135396	98.09088106
160307A00027	3/7/2016	2.71	3/6/2026	101.32926	100.8094954	100.2950595	99.7858727	99.28185497	98.78292776	98.28901414	97.80003871	97.31592761
160307A00028	3/7/2016	2.91	3/7/2028	108.04064	105.4510209	102.9373068	100.4968209	98.12700229	95.82539588	93.58964763	91.41749955	89.3067851
160307A00029	3/7/2016	3.21	3/7/2031	118.29482	112.415841	106.8703587	101.6376609	96.69842973	92.03463928	87.62946292	83.46718722	79.53313271
160328A00038	3/28/2016	2.54	3/30/2026	101.57204	100.9156811	100.2679082	99.62855422	98.99745523	98.37445146	97.75938729	97.15211106	96.55247494
160328A00045	3/28/2016	2.49	3/27/2026	101.39524	100.8167643	100.2448857	99.679488	99.12046149	98.56769888	98.02109525	97.48054804	96.94595695
160329A00017	3/29/2016	2.48	3/30/2026	101.53258	100.8764193	100.2288427	99.58968278	98.95877559	98.33596145	97.72108475	97.11399388	96.51454106
160330A00054	3/30/2016	2.9	3/31/2031	117.11183	111.1843376	105.5973321	100.3294268	95.36069338	90.67255155	86.24767076	82.0698796	78.1240823
160404A00019	4/4/2016	2.48	4/4/2031	107.86105	104.8205773	101.907373	99.11496306	96.43725164	93.86849622	91.40328474	89.03651426	86.76337124
160412A00029	4/12/2016	2.48	4/14/2031	107.86156	104.8207462	101.9072339	99.11454979	96.43659501	93.86762418	91.4022226	89.03528499	86.76199566
160413A00014	4/13/2016	2.55	4/14/2031	107.92052	104.8808859	101.9684152	99.17664331	96.49948167	93.93119457	91.46637621	89.09992946	86.82704615
160413A00016	4/13/2016	2.55	4/14/2031	107.92052	104.8808859	101.9684152	99.17664331	96.49948167	93.93119457	91.46637621	89.09992946	86.82704615
160413A00021	4/13/2016	2.48	4/13/2026	101.59672	100.9002731	100.213462	99.53608549	98.86794932	98.20886463	97.55864765	96.91711959	96.28410643
160413A00033	4/13/2016	2.32	4/13/2026	101.43068	100.7595402	100.0975565	99.44453809	98.80030174	98.1646693	97.53746739	96.9185273	96.30768483
160414A00042	4/13/2016	2.48	4/13/2026	101.59672	100.9002731	100.213462	99.53608549	98.86794932	98.20886463	97.55864765	96.91711959	96.28410643
160421A00016	4/21/2016	2.26	4/21/2026	101.55952	100.8479918	100.1465804	99.45507311	98.77325998	98.10093705	97.43790607	96.78397428	96.13895423
160422A00026	4/22/2016	2.62	4/22/2026	101.61022	100.9597764	100.3176522	99.68369004	99.05773493	98.43963576	97.82924519	97.22641957	96.63101876
160427A00004	4/27/2016	2.09	4/27/2026	100.71919	100.340786	99.96592753	99.59455725	99.22662113	98.86206629	98.50084103	98.14289474	97.78817788
160428A00028	4/28/2016	2	4/28/2026	100.71205	100.333044	99.95759459	99.58564814	99.21715023	98.85204759	98.49028813	98.13182086	97.77659591
160504A00004	5/4/2016	2.3	5/4/2026	101.52337	100.8395306	100.164887	99.49925394	98.84245181	98.19430565	97.55464512	96.92330435	96.30012174
160511A00015	5/11/2016	2.42	5/11/2026	101.73691	100.9628994	100.2007795	99.45027798	98.71112955	97.98307706	97.26587104	96.55926947	95.8630375
160511A00016	5/11/2016	2.48	5/12/2031	107.80793	104.7284583	101.7794046	98.95406815	96.24613893	93.64967624	91.15908455	88.76909108	86.474725

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
160523A00086	5/23/2016	2.2	5/26/2026	101.73038	100.9246312	100.131859	99.35174682	98.58399166	97.82829997	97.0843875	96.35197887	95.63080728
160524A00015	11/25/2016	2.71	11/25/2026	103.39395	102.1335704	100.9038587	99.70370602	98.53205586	97.38790169	96.27028384	95.17828687	94.11103699
160524A00027	5/24/2016	3.06	5/27/2031	117.93211	111.8366107	106.098851	100.6958598	95.60626981	90.81019366	86.2891131	82.02577708	78.00410808
160603A00014	6/3/2016	1.74	6/3/2026	100.74851	100.292262	99.84116742	99.3951264	98.9540454	98.51783324	98.08640108	97.65966237	97.23753275
160603A00029	6/3/2016	2.18	6/3/2031	107.34697	104.230884	101.2486092	98.39317576	95.65803348	93.03701992	90.52433488	88.11451661	85.80241968
160606A00004	6/6/2016	2.43	6/8/2026	101.79708	101.0162412	100.247366	99.49017681	98.74440845	98.00980388	97.28611368	96.57309582	95.87051539
160606A00005	6/6/2016	2.92	6/6/2031	117.16729	111.0657084	105.3240985	99.91927071	94.82965045	90.03516017	85.51710704	81.25808005	77.24185518
160606A00018	6/6/2016	1.74	6/5/2026	100.75004	100.2929567	99.84105324	99.39422805	98.95238672	98.51543725	98.08329004	97.6558578	97.23305542
160608A00019	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00020	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00023	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00024	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00025	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00026	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00027	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00028	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00029	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00030	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00031	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00032	6/8/2016	2.36	6/8/2026	101.85958	101.013616	100.1818536	99.36393324	98.55951023	97.76825117	96.98983356	96.22394543	95.47028482
160608A00033	6/8/2016	2.44	6/9/2031	107.78245	104.6607423	101.6728594	98.81184421	96.07115512	93.44463719	90.92649671	88.51127747	86.19383885
160608A00034	6/8/2016	2.44	6/9/2031	107.78245	104.6607423	101.6728594	98.81184421	96.07115512	93.44463719	90.92649671	88.51127747	86.19383885
160609A00075	6/9/2016	1.94	6/9/2026	100.78876	100.3312856	99.87899943	99.4318029	98.98960117	98.55230186	98.11981496	97.69205278	97.26892988
160615A00031	6/15/2016	2.51	6/17/2030	113.32058	108.2975064	103.5277019	98.99706038	94.69233915	90.60109867	86.7116494	83.01300248	79.494824
160616A00027	6/16/2016	2.27	6/16/2026	101.72314	100.920575	100.1306469	99.35306337	98.58753652	97.83378737	97.09154551	96.36054874	95.64054281
160616A00029	6/16/2016	1.58	6/16/2026	100.68134	100.2218188	99.76755323	99.31844535	98.8743979	98.43531621	98.00110811	97.57168381	97.14695586
160628A00039	6/28/2016	2.01	6/29/2026	101.64648	100.8076172	99.98254984	99.17094187	98.37246614	97.58680604	96.81365503	96.0527163	95.30370235
160629A00066	6/29/2016	2.61	6/30/2036	118.32918	109.2617563	101.0600767	93.63357155	86.90173538	80.7929535	75.24347129	70.19648807	65.60136
160701A00020	7/1/2016	2.13	7/1/2026	101.70058	100.8567577	100.0268888	99.21063257	98.40765631	97.61763807	96.84026622	96.07523906	95.32226441
160701A00039	7/1/2016	1.92	7/1/2026	101.58238	100.7382929	99.90818207	99.09170208	98.28851942	97.49831142	96.72076577	95.9555801	95.20246161
160705A00104	7/5/2016	2.1	7/6/2026	101.7057	100.8480783	100.0048809	99.17574505	98.36032131	97.55827157	96.76926879	95.99299651	95.22914845
160706A00026	7/6/2016	2.19	7/6/2027	104.47424	102.6022461	100.7728821	98.98493185	97.23722004	95.52861205	93.85801235	92.22436291	90.6266416
160706A00027	7/6/2016	2.29	7/6/2028	107.29438	104.3792757	101.5584459	98.82834897	96.18559581	93.62694232	91.14928234	88.74964097	86.42516836

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
160706A00028	7/6/2016	2.39	7/6/2029	110.15525	106.1775148	102.3656402	98.71187225	95.20885519	91.84961295	88.6275274	85.53631818	82.57002374
160706A00029	7/6/2016	2.49	7/8/2030	112.98686	107.9246197	103.1201885	98.55912595	94.22787414	90.1136973	86.20462779	82.48941598	78.95748373
160706A00030	7/6/2016	2.59	7/7/2031	115.36486	109.2289015	103.4606659	98.03623072	92.93334442	88.13130318	83.61083605	79.35399894	75.34407702
160711A00004	7/11/2016	1.51	7/13/2026	100.71274	100.2122211	99.71794996	99.22979948	98.74764397	98.27136131	97.8008329	97.33594349	96.87658106
160712A00019	7/12/2017	2.32	7/12/2027	104.66747	102.7791684	100.9341755	99.13124579	97.36917673	95.64680773	93.96301848	92.31672732	90.70688961
160713A00015	7/13/2016	1.57	7/13/2026	100.74377	100.242589	99.74768165	99.25891343	98.77615798	98.29929255	97.82819791	97.36275823	96.90286093
160714A00018	9/6/2016	2.28	9/4/2026	102.27278	101.2465836	100.2409182	99.25517281	98.28876003	97.34111537	96.41169615	95.49998042	94.605466
160714A00020	9/6/2016	2.28	9/4/2026	102.27278	101.2465836	100.2409182	99.25517281	98.28876003	97.34111537	96.41169615	95.49998042	94.605466
160714A00023	8/10/2016	2.49	8/10/2028	108.12204	105.0995559	102.1777289	99.35265662	96.62061471	93.97804335	91.42153901	88.94784667	86.55385247
160714A00024	9/20/2016	2.5	9/20/2028	108.45294	105.3116187	102.2781954	99.34835475	96.51797731	93.78313236	91.14006834	88.58520337	86.11511656
160714A00029	8/10/2016	2.27	8/10/2026	102.0853	101.1292547	100.191077	99.27026526	98.36634037	97.47884089	96.60732202	95.75135489	94.91052587
160719A00026	7/19/2016	1.87	7/20/2026	100.8377	100.3352271	99.83906584	99.34908143	98.86514601	98.38713545	97.9149292	97.44841014	96.98746449
160726A00005	7/26/2016	2.28	7/27/2026	101.99838	101.0814431	100.1809457	99.29645021	98.42753299	97.57378523	96.73481229	95.91023316	95.09967979
160729A00017	7/31/2017	2.47	7/31/2029	110.43198	106.3864069	102.5120709	98.8008381	95.24500465	91.8372706	88.5707165	85.43878155	82.43524321
160801A00002	8/1/2016	1.58	8/3/2026	100.81462	100.2733078	99.73930615	99.21245124	98.69258467	98.179553	97.67320749	97.17340395	96.68000251
160802A00003	8/2/2016	2.53	8/1/2031	115.54977	109.3247847	103.4772725	97.98239213	92.81705707	87.95980555	83.39067824	79.09110581	75.04380547
160810A00025	8/10/2016	2.17	8/10/2026	102.09607	101.0806633	100.0857078	99.11058738	98.15471068	97.21750965	96.29843844	95.39697237	94.51260684
160810A00027	8/10/2016	2.13	8/10/2026	102.02548	101.0244281	100.0434303	99.08188782	98.13922206	97.21487734	96.30831965	95.41903561	94.5465315
160810A00028	8/10/2016	2.19	8/10/2026	102.13241	101.1095377	100.1073232	99.12514128	98.16239395	97.21850673	96.29292765	95.38512612	94.49459191
160810A00029	8/10/2016	2.17	8/10/2026	102.09607	101.0806633	100.0857078	99.11058738	98.15471068	97.21750965	96.29843844	95.39697237	94.51260684
160810A00030	8/10/2016	2.24	8/11/2031	107.32971	104.1354018	101.0813559	98.16012626	95.36471684	92.6885528	90.12545241	87.66960087	85.31552603
160811A00011	8/11/2016	2.25	8/11/2026	102.02532	101.0675062	100.1276308	99.20519434	98.29971463	97.41072717	96.53778433	95.6804545	94.83832149
160812A00006	8/12/2016	2.16	8/12/2026	102.18949	101.1806189	100.1920896	99.22328834	98.27362485	97.3425322	96.42946576	95.53390206	94.65533781
160815A00005	8/15/2016	2.23	8/17/2026	102.09522	101.119783	100.1629392	99.22415981	98.3029366	97.39878042	96.51122011	95.63980172	94.78408772
160815A00006	8/15/2016	2.23	8/17/2026	102.09522	101.119783	100.1629392	99.22415981	98.3029366	97.39878042	96.51122011	95.63980172	94.78408772
160815A00007	8/15/2016	2.23	8/17/2026	102.09522	101.119783	100.1629392	99.22415981	98.3029366	97.39878042	96.51122011	95.63980172	94.78408772
160819A00015	10/12/2016	2.3	10/13/2026	102.59961	101.4631826	100.3518541	99.26480406	98.20124337	97.16041666	96.14160071	95.14410269	94.16725859
160824A00019	8/24/2016	1.98	8/25/2031	106.88313	103.694137	100.6454651	97.72965223	94.93968568	92.26897605	89.71132874	87.2609176	84.91226047
160830A00038	8/30/2016	2.24	8/28/2026	102.18089	101.1745786	100.1880295	99.22066123	98.27191863	97.34126779	96.42819502	95.53220593	94.6528245
160906A00027	9/6/2016	2.03	9/8/2031	107.1261	103.8876634	100.7933698	97.83546826	95.00668596	92.30019288	89.70957198	87.22879141	84.85217874
160908A00022	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00023	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00024	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
160908A00025	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00026	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00027	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00028	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00030	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00031	9/8/2016	2.21	9/8/2026	102.33447	101.24395	100.1769901	99.13282572	98.1107288	97.11000195	96.12997698	95.17001338	94.22949686
160908A00032	9/8/2016	2.17	9/8/2026	102.25479	101.1807712	100.1298208	99.10119977	98.09419678	97.10813068	96.14234872	95.19622512	94.26915969
160908A00033	9/8/2016	2.17	9/8/2026	102.25479	101.1807712	100.1298208	99.10119977	98.09419678	97.10813068	96.14234872	95.19622512	94.26915969
160908A00034	9/8/2016	2.17	9/8/2026	102.25479	101.1807712	100.1298208	99.10119977	98.09419678	97.10813068	96.14234872	95.19622512	94.26915969
160908A00035	9/8/2016	2.3	9/8/2031	107.61249	104.3669353	101.2655816	98.30069034	95.46499646	92.75167656	90.15431918	87.6668971	85.28374173
160908A00036	9/8/2016	2.3	9/8/2031	107.61249	104.3669353	101.2655816	98.30069034	95.46499646	92.75167656	90.15431918	87.6668971	85.28374173
160922A00014	9/22/2016	2.06	9/22/2026	102.24968	101.172575	100.1180788	99.08548721	98.07412332	97.08333766	96.11250704	95.16103323	94.22834168
160923A00009	9/23/2016	2.24	9/23/2031	107.5826	104.3341914	101.2302583	98.26304217	95.42525668	92.71005897	90.11101979	87.62209562	85.2376029
160928A00029	9/28/2016	2.52	9/29/2036	112.15582	106.3402258	100.9671465	95.99716363	91.39474644	87.12783726	83.16748484	79.48751896	76.06426127
160928A00030	9/28/2016	2.52	9/29/2036	112.15582	106.3402258	100.9671465	95.99716363	91.39474644	87.12783726	83.16748484	79.48751896	76.06426127
160928A00032	9/28/2016	2.52	9/29/2036	112.15582	106.3402258	100.9671465	95.99716363	91.39474644	87.12783726	83.16748484	79.48751896	76.06426127
160928A00033	9/28/2016	2.46	9/29/2036	112.11642	106.2906701	100.9088376	95.93133323	91.32247913	87.05008799	83.08509437	79.40122738	75.97471991
160928A00041	9/28/2016	3.26	9/29/2036	116.63339	110.6176685	105.0576862	99.91295018	95.14695553	90.72675965	86.62260681	82.80759455	79.2573774
160928A00042	9/28/2016	3.05	9/29/2036	115.44768	109.4818314	103.9686134	98.86777573	94.14303047	89.76163334	85.69400979	81.91342317	78.39567981
160928A00044	9/28/2016	2.89	9/29/2036	114.54429	108.6164317	103.1388437	98.07145234	93.37813519	89.02629901	84.98650731	81.23214973	77.73914831
160930A00032	9/30/2016	2.15	9/30/2031	107.13608	103.9660607	100.9357579	98.03770773	95.26489894	92.61074579	90.06905915	87.63401996	85.30015454
160930A00033	9/30/2016	1.8	9/30/2026	100.98783	100.3987693	99.81846929	99.24671111	98.68328495	98.12798822	97.58062524	97.04100699	96.50895078
161005A00016	10/5/2016	2.32	10/6/2031	107.93579	104.6343438	101.4813993	98.46889441	95.58926886	92.83542678	90.20070506	87.67884397	85.26396003
161014A00019	10/14/2016	2.39	10/15/2031	108.16952	104.8605976	101.7005377	98.68125725	95.79517591	93.03517925	90.39458679	87.86712264	85.44688819
161014A00026	10/14/2016	2.16	10/14/2031	107.63982	104.3425374	101.1937531	98.18539386	95.30989126	92.56014242	89.92947813	87.41163345	85.00072041
161014A00029	10/14/2016	2.51	10/15/2031	108.8088	105.4757084	102.292728	99.25169765	96.34496679	93.56535538	90.9061218	88.36093306	85.92383725
161109A00018	11/9/2016	2.63	11/9/2026	103.15484	101.9406251	100.7549369	99.5967789	98.46520042	97.35929398	96.27819309	95.22106982	94.18713278
161116A00006	11/16/2016	2.39	11/16/2026	101.55442	100.8780149	100.2130858	99.55931054	98.91637805	98.28398953	97.6618577	97.04970626	96.44726935
161118A00026	12/20/2016	3.03	12/21/2026	104.10605	102.7789802	101.4782223	100.2030102	98.95260615	97.72630128	96.5234138	95.34328784	94.18529222
161207A00014	12/7/2016	2.75	12/8/2031	109.84083	106.3886721	103.0955468	99.95263145	96.95166211	94.08489295	91.34506012	88.72534845	86.21936064
161214A00023	12/14/2016	3.3	12/15/2031	121.04001	114.2688612	107.927851	101.9873031	96.41974589	91.19973364	86.30368616	81.7097428	77.3976283
161214A00034	12/14/2016	2.65	12/14/2026	101.85397	101.1338162	100.4263233	99.73112637	99.04787328	98.37622602	97.71585993	97.06646304	96.42773541
161222A00013	12/22/2016	2.93	12/22/2026	104.13563	102.7927166	101.4744432	100.1801803	98.90932328	97.66128766	96.43550799	95.2314372	94.04854582

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
161222A00030	12/22/2016	3.09	12/22/2026	104.28907	102.9570009	101.6510759	100.3705417	99.11467579	97.882783	96.67419464	95.48826703	94.32438035
161222A00036	12/22/2016	2.69	12/22/2026	101.87584	101.1584085	100.453419	99.76051319	99.07935089	98.4096055	97.75096303	97.10312158	96.46579073
161222A00037	12/22/2016	3.08	12/22/2031	110.40833	107.0437304	103.8319219	100.7645009	97.83359349	95.03181648	92.35224324	89.78837228	87.33409825
161227A00073	12/27/2016	2.83	12/28/2026	103.83775	102.5475236	101.2810949	100.0378541	98.81720928	97.61858828	96.44143806	95.28522385	94.14942843
161229A00018	12/29/2016	2.46	12/29/2026	101.77473	101.0524408	100.3425956	99.64484039	98.9588394	98.28426967	97.62082068	96.96819373	96.32610131
161229A00019	12/29/2016	2.46	12/29/2026	101.77473	101.0524408	100.3425956	99.64484039	98.9588394	98.28426966	97.62082068	96.96819373	96.32610131
170105A00010	1/5/2017	2.61	1/5/2027	101.94421	101.1836124	100.4361183	99.70137046	98.97902131	98.26873642	97.57019392	96.88308388	96.20710774
170106A00030	1/6/2017	2.39	1/6/2027	101.82987	101.0693188	100.3218899	99.58721955	98.86495935	98.15477431	97.45634199	96.76935193	96.09350508
170111A00009	1/11/2017	3.16	1/11/2028	108.139	105.7068822	103.3420448	101.0422545	98.80536766	96.62932403	94.51214259	92.45191815	90.44681805
170111A00011	1/11/2017	3.24	1/11/2029	111.81406	108.303653	104.9232638	101.6673951	98.53081493	95.50853866	92.59581606	89.788119	87.08112991
170111A00012	1/11/2017	3.31	1/11/2030	115.49145	110.876283	106.4743696	102.2747484	98.26707921	94.4416026	90.78910427	87.3008819	83.96871418
170111A00013	1/11/2017	3.4	1/10/2031	118.94278	113.2095881	107.7926954	102.6729925	97.83261612	93.25486549	88.9241205	84.82576671	80.94612574
170111A00014	1/11/2017	3.47	1/12/2032	121.8104	114.9561518	108.5410004	102.5344537	96.90828414	91.63635314	86.69444652	82.06012367	77.71257926
170111A00016	1/11/2017	3.51	1/11/2033	124.29013	116.3322975	108.9532274	102.1076069	95.75389809	89.85400189	84.37295745	79.27866876	74.54165651
170112A00015	1/12/2017	2.32	1/12/2027	101.77905	101.0179271	100.2699516	99.53476006	98.81200314	98.10134491	97.40246206	96.71504326	96.03878865
170120A00008	1/20/2017	3.63	1/20/2034	127.35539	118.2438437	109.8739215	102.1809416	95.10618945	88.59633604	82.60291867	77.08187409	71.99311859
170120A00009	1/20/2017	3.67	1/22/2035	129.67187	119.4565632	110.1583579	101.6893433	93.97047707	86.93065092	80.50585753	74.63844804	69.27647084
170120A00010	1/20/2017	3.71	1/22/2036	131.91181	120.6062106	110.4079454	101.2014906	92.88396279	85.36368011	78.55889041	72.39664932	66.81183014
170120A00011	1/20/2017	3.75	1/20/2037	133.80905	121.4448125	110.3904129	100.4983044	91.63833117	83.69559561	76.5685976	70.16760971	64.41325628
170123A00039	1/23/2017	2.79	1/23/2026	101.07495	100.6716893	100.2716508	99.8747987	99.48109486	99.09050185	98.7029828	98.31850142	97.937022
170124A00017	1/24/2017	2.82	1/23/2032	110.19892	106.6909698	103.3464906	100.1563227	97.1118879	94.20515061	91.42857993	88.7751144	86.23812955
170130A00036	1/30/2017	3.11	1/31/2033	112.42497	108.2725314	104.3404729	100.6148279	97.08262804	93.73182351	90.5512117	87.53037178	84.65960479
170130A00039	1/30/2017	2.74	1/31/2028	104.12191	102.6728205	101.2564203	99.87173141	98.51780841	97.19374066	95.89865099	94.63169423	93.39205578
170130A00043	1/30/2017	2.64	1/29/2027	102.43918	101.5075346	100.5916198	99.6910455	98.80543117	97.93440874	97.07762233	96.23472764	95.40539157
170130A00046	1/30/2017	2.52	1/30/2026	100.99094	100.566112	100.1448333	99.72706008	99.31274886	98.90185678	98.49434171	98.09016222	97.68927756
170203A00012	2/3/2017	3.63	2/2/2035	129.34802	119.1179739	109.8094118	101.3337271	93.61127795	86.57044125	80.14676772	74.28222985	68.92455194
170203A00013	2/3/2017	3.67	2/1/2036	131.53713	120.2243157	110.0226719	100.8159668	92.50072445	84.98476328	78.18591033	72.03086771	66.4542125
170207A00055	2/7/2017	2.36	2/8/2027	101.92378	101.1204166	100.3311193	99.55550166	98.79319153	98.04383066	97.30707413	96.58258972	95.87005729
170216A00043	2/16/2017	3.17	2/16/2027	104.86111	103.3742821	101.9160877	100.4857712	99.08260262	97.70587699	96.35491332	95.02905353	93.72766148
170216A00044	2/16/2017	3.52	2/17/2032	122.36346	115.3892937	108.8681294	102.7680601	97.05958445	91.715416	86.71030614	82.02088194	77.62549774
170216A00045	2/16/2017	3.73	2/17/2037	133.69068	121.2573593	110.149721	100.2174748	91.3281563	83.36492897	76.2246665	69.8162792	64.05925215
170224A00020	2/24/2017	3.08	2/24/2027	104.81205	103.3015924	101.8206541	100.3684487	98.94421301	97.54721025	96.17672903	94.8320823	93.51260627
170224A00021	2/24/2017	3.4	2/24/2032	121.61847	114.6475895	108.1312535	102.037338	96.33614765	91.00022375	86.00416508	81.32446357	76.93935396

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
170224A00039	5/24/2017	3.17	5/24/2027	105.86406	104.0985061	102.3710291	100.6804639	99.02569183	97.40564006	95.81927895	94.2656199	92.74371327
170224A00044	5/24/2017	3.29	5/24/2029	113.27274	109.3564702	105.5984513	101.9913623	98.52826565	95.20258663	92.00809215	88.93887053	85.98931279
170228A00014	2/28/2017	2.89	3/1/2027	104.68359	103.1576145	101.661747	100.1951691	98.75709505	97.34676713	95.96345377	94.60644872	93.27506988
170309A00014	3/9/2017	2.58	3/9/2027	102.22913	101.3812077	100.5483926	99.73027106	98.92644174	98.13651858	97.36012978	96.59691719	95.84653567
170313A00032	3/13/2017	3.69	6/14/2032	124.27529	116.9052769	110.0336783	103.6239974	97.64259443	92.0584523	86.84295877	81.96970803	77.41431947
170313A00033	3/13/2017	3.31	3/15/2027	105.36015	103.7924756	102.2561024	100.7501643	99.27382745	97.82628794	96.40677073	95.01452817	93.6488388
170313A00034	3/13/2017	3.31	3/15/2027	105.36015	103.7924756	102.2561024	100.7501643	99.27382745	97.82628794	96.40677073	95.01452817	93.6488388
170313A00035	3/13/2017	3.31	3/15/2027	105.36015	103.7924756	102.2561024	100.7501643	99.27382745	97.82628794	96.40677073	95.01452817	93.6488388
170313A00041	3/13/2017	3.21	3/15/2032	111.31429	107.7599914	104.3741193	101.1470454	98.06976578	95.13385753	92.3314376	89.65512427	87.09800185
170313A00045	3/13/2017	3.22	3/15/2032	111.61278	107.9765206	104.5132773	101.2131672	98.06694885	95.06597544	92.20215255	89.46789903	86.85611095
170317A00044	3/17/2017	3.11	3/17/2027	105.06376	103.4980575	101.9644306	100.4619539	98.98973281	97.54690736	96.13264995	94.74616408	93.38668279
170322A00022	3/22/2017	3.89	9/23/2041	145.21612	127.7954011	112.8291915	99.94980092	88.84682672	79.25794452	70.9612207	63.76868851	57.52097506
170322A00023	3/22/2017	3.82	9/22/2039	138.71207	123.5704905	110.3460269	98.78102352	88.65388845	79.77387557	71.97664174	65.12046368	59.08301393
170322A00024	3/22/2017	3.72	9/22/2036	133.03289	121.0222995	110.2531994	100.5890432	91.90901336	84.10613905	77.08564277	70.76349267	65.06513298
170322A00025	3/22/2017	3.58	3/22/2033	125.24358	117.0517474	109.4693142	102.4474674	95.941555	89.91070823	84.31750278	79.1276516	74.30972666
170322A00026	3/22/2017	3.22	3/22/2028	108.97615	106.3331374	103.7683661	101.2790441	98.86250018	96.51617517	94.23761691	92.0244748	89.87449493
170322A00033	3/22/2017	3.61	3/24/2042	127.09032	116.8737699	107.7864761	99.68525892	92.44669199	85.96420467	80.14563208	74.91113893	70.19145804
170327A00070	3/29/2017	3.05	3/29/2027	105.2055	103.5989896	102.0250214	100.4826751	98.97106542	97.48933996	96.0366775	94.61228662	93.21540438
170327A00072	3/29/2017	3.09	3/29/2027	105.26942	103.6623772	102.0878883	100.5450305	99.03291834	97.55069904	96.0975512	94.67268321	93.27533188
170327A00078	3/27/2019	3.04	3/27/2026	101.67243	101.0935487	100.5212548	99.9554372	99.39598626	98.84279494	98.29575857	97.75477478	97.21974348
170327A00079	3/27/2019	3.19	3/29/2027	105.31522	103.7097326	102.1367332	100.5953048	99.08456436	97.6036614	96.15177664	94.72812047	93.33193164
170327A00080	3/27/2019	3.43	3/27/2029	113.22742	109.4760585	105.870967	102.4056221	99.07383236	95.86971674	92.78768714	89.82243203	86.96890107
170406A00029	4/6/2017	3.01	4/6/2027	105.11038	103.46441	101.8529783	100.2750529	98.72964584	97.2158079	95.73262715	94.27922688	92.85476391
170406A00031	4/6/2017	3.01	4/6/2027	105.11038	103.46441	101.8529783	100.2750529	98.72964584	97.2158079	95.73262715	94.27922688	92.85476391
170406A00032	4/6/2017	3.01	4/6/2027	105.11038	103.46441	101.8529783	100.2750529	98.72964584	97.2158079	95.73262715	94.27922688	92.85476391
170406A00033	4/6/2017	3.01	4/6/2027	105.11038	103.46441	101.8529783	100.2750529	98.72964584	97.2158079	95.73262715	94.27922688	92.85476391
170406A00034	4/6/2017	3.01	4/6/2027	105.11038	103.46441	101.8529783	100.2750529	98.72964584	97.2158079	95.73262715	94.27922688	92.85476391
170406A00036	4/6/2017	3.07	4/6/2032	111.00155	107.345133	103.8644282	100.5493059	97.39030082	94.37856187	91.50580796	88.76428746	86.14674074
170407A00001	4/6/2017	2.97	4/6/2027	104.92967	103.3197729	101.7435361	100.1999578	98.68807647	97.20696825	95.75574549	94.33355481	92.93957545
170427A00044	4/27/2017	3.02	4/27/2027	105.336	103.6489152	101.9970944	100.3794964	98.79512161	97.24300944	95.72223641	94.23191429	92.77118839
170427A00046	4/27/2017	3.1	4/27/2028	109.00172	106.2568427	103.5955555	101.0147791	98.51157063	96.0831162	93.72672393	91.43981785	89.21993199
170427A00047	4/27/2017	3.18	4/27/2029	112.61026	108.7815497	105.105123	101.5740507	98.18176233	94.92202477	91.78892237	88.77683891	85.88044046
170502A00028	5/2/2017	2.84	5/3/2027	105.21157	103.5068665	101.8380821	100.2041447	98.60402688	97.03674191	95.50134159	93.9969143	92.52258321

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
170511A00011	5/11/2017	2.41	5/11/2027	102.3279	101.3948607	100.479033	99.57993716	98.69710718	97.83009485	96.97846883	96.14181383	95.31972989
170524A00027	5/24/2017	2.32	5/24/2027	102.24842	101.3144155	100.3976821	99.49772822	98.61408562	97.74630379	96.89394928	96.05660483	95.23386858
170609A00043	6/9/2017	3.07	6/9/2032	120.48968	113.2401774	106.483142	100.1824234	94.30470804	88.81928548	83.69783186	78.91421212	74.44429985
170609A00052	6/11/2018	2.9	6/9/2027	105.45272	103.6482062	101.8833566	100.1569812	98.46793423	96.81511521	95.1974661	93.61396951	92.06364666
170619A00089	6/16/2017	2.79	6/16/2027	105.33904	103.5120751	101.7268414	99.98213137	98.27678164	96.6096699	94.97971313	93.38586596	91.8271191
170619A00092	6/16/2017	2.79	6/16/2027	105.33904	103.5120751	101.7268414	99.98213137	98.27678164	96.6096699	94.97971313	93.38586596	91.8271191
170619A00095	6/16/2017	2.79	6/16/2027	105.33904	103.5120751	101.7268414	99.98213137	98.27678164	96.6096699	94.97971313	93.38586596	91.8271191
170619A00096	6/16/2017	2.79	6/16/2027	105.33904	103.5120751	101.7268414	99.98213137	98.27678164	96.6096699	94.97971313	93.38586596	91.8271191
170619A00101	6/16/2017	2.74	6/16/2027	105.11512	103.3326249	101.5906432	99.88800673	98.22358678	96.59629439	95.00507881	93.44892586	91.92685642
170622A00036	6/22/2017	3.23	6/22/2032	121.14291	113.8555477	107.0644473	100.7331203	94.82794212	89.31791444	84.17444724	79.37116012	74.88370085
170622A00037	6/22/2017	3.27	6/22/2033	123.32274	114.9492264	107.2184472	100.0774742	93.47800052	87.3759151	81.73091862	76.50617587	71.66800168
170622A00038	6/22/2017	3.32	6/22/2034	125.43984	115.986909	107.3398202	99.42520368	92.17673513	85.53442626	79.44398984	73.85627107	68.72673837
170622A00039	6/22/2017	3.36	6/22/2035	127.41265	116.8927017	107.3572091	98.70808986	90.85752956	83.7268559	77.24554422	71.3503357	65.98445492
170622A00040	6/22/2017	3.41	6/23/2036	129.33098	117.752098	107.3515987	98.00209099	89.59060654	82.01689686	75.19194186	69.03663994	63.48065669
170623A00028	6/23/2017	2.79	6/23/2027	105.47846	103.6327439	101.8283355	100.0640409	98.33871008	96.65123449	95.0005452	93.38561113	91.80543741
170711A00010	7/11/2017	2.38	7/12/2027	102.54321	101.5240369	100.5244345	99.5438507	98.58175234	97.63762631	96.71097854	95.80133317	94.90823164
170713A00021	7/13/2017	3.25	7/13/2037	125.08872	114.8633932	105.6866226	97.44050861	90.02121881	83.33722767	77.30778788	71.86159942	66.93564972
170803A00020	8/3/2017	2.84	8/3/2027	105.94517	103.9828822	102.0668831	100.1958027	98.368319	96.58315749	94.83908942	93.13492976	91.4695353
170822A00023	8/23/2017	3.95	8/23/2028	112.63709	109.5106353	106.4888832	103.5677427	100.7433065	98.0118415	95.36978065	92.81371407	90.34038136
170918A00007	9/18/2017	2.8	9/20/2027	106.29545	104.1969385	102.1506199	100.1548486	98.2080453	96.30869222	94.45532963	92.64655336	90.88101226
170921A00055	9/21/2017	2.82	9/21/2027	106.174	104.0946938	102.0679233	100.0919828	98.16523795	96.28612036	94.45312421	92.66480325	90.9197679
170921A00056	9/21/2017	2.82	9/21/2027	106.174	104.0946938	102.0679233	100.0919828	98.16523795	96.28612036	94.45312421	92.66480325	90.9197679
170921A00057	9/21/2017	2.79	9/21/2027	105.94108	103.9177492	101.9452126	100.0218277	98.14601852	96.31627243	94.53113713	92.78921766	91.08917366
170929A00046	9/29/2017	2.49	9/30/2027	102.81267	101.7143796	100.6381078	99.58321691	98.54909492	97.53515283	96.54082367	95.56556148	94.6088403
171011A00013	10/11/2017	2.77	10/13/2026	103.1319	101.9922593	100.8777716	99.78761032	98.72098511	97.67713946	96.65534903	95.65491989	94.67518699
171018A00011	10/18/2017	2.68	10/18/2027	106.43805	104.2576552	102.1329158	100.0620201	98.04323165	96.07488395	94.15537716	92.2831747	90.45680022
171026A00009	10/26/2017	2.75	10/27/2025	100.37824	100.2200419	100.0623438	99.90514749	99.74845069	99.59225096	99.43654594	99.28133327	99.12661062
171026A00010	10/26/2017	2.84	10/26/2026	103.33626	102.1590423	101.0086085	99.88405102	98.78450375	97.70913904	96.65716538	95.62782548	94.62039442
171026A00011	10/26/2017	2.94	10/26/2027	106.91784	104.7132966	102.5653504	100.4721466	98.43190655	96.44292391	94.50356117	92.61224623	90.76746915
171030A00023	10/30/2017	2.9	11/1/2027	106.88431	104.6636396	102.5002961	100.3923909	98.3381112	96.33571841	94.38354462	92.47998904	90.62351471
171109A00016	11/9/2017	2.94	11/9/2032	118.13204	111.2912845	104.925747	98.99920705	93.47841245	88.3328195	83.53435752	79.05721539	74.87764759
171129A00020	11/29/2017	2.89	11/30/2026	103.73012	102.4525364	101.2063691	99.99047139	98.80375043	97.64516532	96.51372419	95.40848129	94.32853435
171206A00020	12/6/2017	2.62	12/6/2027	103.32924	102.1038503	100.904574	99.73062156	98.58123865	97.4557003	96.35330948	95.2733957	94.2153138

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
171206A00038	12/6/2017	2.69	12/6/2027	106.88463	104.5625111	102.3025209	100.1025526	97.96059268	95.87471183	93.84306071	91.86386592	89.93542615
171206A00048	12/6/2017	3.04	12/6/2032	121.17482	113.4037513	106.1942099	99.50251296	93.28859763	87.51570588	82.15009521	77.16077595	72.51927293
171207A00024	12/7/2017	2.93	12/7/2027	107.14436	104.8233889	102.5657762	100.3694344	98.23235988	96.1526262	94.12838079	92.1578416	90.23929401
171207A00025	12/7/2017	2.91	12/7/2027	106.98517	104.700344	102.4776527	100.31505	98.21057342	96.16233617	94.1685237	92.22739054	90.33725728
171207A00026	12/7/2017	2.93	12/7/2027	107.14436	104.8233889	102.5657762	100.3694344	98.23235988	96.1526262	94.12838079	92.1578416	90.23929401
171219A00063	12/19/2017	2.8	12/20/2027	107.2588	104.8939892	102.5932841	100.3545556	98.17575859	96.05492943	93.99018228	91.97970524	90.02175697
171219A00067	12/19/2017	2.72	12/20/2027	106.71532	104.4629686	102.2722935	100.1412456	98.06785404	96.05022505	94.08653859	92.17504495	90.31406161
180102A00021	1/2/2018	2.82	1/2/2026	100.8927	100.5482613	100.2061759	99.86641595	99.52895778	99.19377806	98.86085375	98.53016217	98.2016809
180104A00018	1/4/2018	2.97	1/4/2027	104.15584	102.7952337	101.4588762	100.1461721	98.85654737	97.58944637	96.34433072	95.12067876	93.91798495
180104A00023	1/4/2018	2.91	1/4/2028	106.73296	104.5553579	102.4373641	100.3769786	98.37228057	96.42142555	94.52264183	92.67422706	90.8745451
180104A00024	1/4/2018	2.98	1/4/2028	107.48829	105.1245203	102.8269101	100.5932165	98.42129028	96.30906757	94.25456617	92.2558817	90.31118404
180104A00041	1/4/2018	3.08	1/4/2033	119.3844	112.3232284	105.7607272	99.65830071	93.98055063	88.69499751	83.77182544	79.18365009	74.90530816
180110A00029	1/10/2018	3.13	1/10/2028	108.05774	105.6293493	103.2680665	100.9716713	98.7380276	96.56508202	94.4508603	92.39346363	90.39106538
180116A00014	1/16/2018	3.01	1/19/2027	104.34806	102.9455364	101.5686822	100.2168506	98.88941879	97.58578377	96.30536218	95.04758921	93.81191797
180116A00015	1/16/2018	3.06	1/18/2028	107.96227	105.5131724	103.1323274	100.8174598	98.56637927	96.37698122	94.24724267	92.17521869	90.15903895
180118A00039	1/18/2018	3.09	1/19/2027	104.46046	103.057108	101.6794412	100.326811	98.99859393	97.69418684	96.41300594	95.15448609	93.91808008
180126A00011	1/26/2018	2.72	1/26/2028	103.72002	102.4325802	101.1733383	99.94144038	98.73606334	97.55641577	96.40173661	95.27129372	94.16438252
180130A00070	1/30/2018	3.14	1/29/2027	104.62613	103.1944783	101.7894774	100.4104493	99.05673633	97.7277029	96.42273404	95.14123481	93.88262943
180207A00002	2/7/2018	3.13	2/6/2026	101.30605	100.8637816	100.4253781	99.99078737	99.55995985	99.1328467	98.70939996	98.28957251	97.87331801
180207A00003	2/7/2018	3.28	2/7/2028	108.69233	106.178087	103.7353571	101.361703	99.05478269	96.81234772	94.63223898	92.51238259	90.45078594
180222A00025	2/22/2018	3.48	2/22/2033	124.89888	116.7736845	109.2487617	102.2763741	95.81282359	89.81808753	84.25549149	79.09141322	74.29501407
180222A00027	2/22/2018	3.24	2/22/2028	108.92876	106.3636688	103.8728049	101.4535925	99.10355858	96.82033131	94.60163476	92.44528454	90.3491835
180313A00026	3/13/2018	3.34	3/13/2028	109.19927	106.5781574	104.0341061	101.5643891	99.16639463	96.83761986	94.57566545	92.37823055	90.24310808
180322A00040	3/22/2018	3.16	3/21/2031	112.54173	108.6242391	104.897473	101.3505226	97.97318257	94.75589784	91.68971788	88.76625473	85.97764398
180322A00044	3/22/2018	3.18	3/22/2033	113.22159	108.989307	104.9848818	101.1937353	97.60233615	94.19811992	90.96941289	87.90536284	84.99587554
180323A00013	3/23/2018	3.18	3/23/2028	109.07049	106.4194358	103.8469887	101.3503407	98.92680322	96.57380125	94.28886742	92.06963679	89.91384189
180329A00003	3/29/2018	3.08	3/29/2028	108.86613	106.201192	103.6156377	101.1066181	98.67140495	96.30738552	94.01205714	91.78302165	89.6179803
180402A00013	4/2/2018	2.99	4/3/2028	107.52663	105.1924083	102.9263608	100.7260147	98.58900911	96.5130856	94.49608324	92.53593348	90.63065547
180403A00006	4/3/2018	3.07	4/3/2028	108.88724	106.2079603	103.6088049	101.0868819	98.63942574	96.26378899	93.95743622	91.71793847	89.54296797
180410A00002	4/10/2018	3.14	4/11/2033	113.16989	108.8953066	104.8530234	101.0280473	97.40647266	93.97539502	90.72283229	87.63765224	84.70950636
180412A00034	4/12/2018	3.23	4/15/2030	116.31139	111.3954817	106.7187562	102.2682648	98.03183182	93.99800443	90.15600522	86.49568863	83.00750033
180412A00036	4/12/2018	3.54	4/15/2038	133.7981	120.2168438	108.2140401	97.59520554	88.19085347	79.85316228	72.45310298	65.87796062	60.02919374
180508A00038	5/8/2018	3.57	5/9/2033	114.60812	110.2458541	106.1224243	102.2223048	98.53110591	95.03548077	91.72304263	88.58228905	85.6025326

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
180517A00018	5/17/2018	3.46	5/17/2033	114.66973	110.2931635	106.1567077	102.2447259	98.54272667	95.03727073	91.71588723	88.56699724	85.57984373
180517A00024	5/17/2018	3.46	5/17/2033	114.66973	110.2931635	106.1567077	102.2447259	98.54272667	95.03727073	91.71588723	88.56699724	85.57984373
180529A00042	5/29/2018	3.42	5/30/2028	110.19355	107.3410222	104.5775884	101.8998727	99.30465224	96.78885019	94.34952784	91.98387731	89.68921454
180529A00057	5/29/2018	3.09	5/30/2028	106.8585	104.7799558	102.7611085	100.7998366	98.89410366	97.0419583	95.24153033	93.49102676	91.78872812
180530A00024	5/30/2018	3.44	5/30/2029	113.90068	109.9558454	106.1708762	102.5383521	99.05124195	95.70288437	92.48696528	89.39749749	86.42880154
180530A00025	5/30/2018	3.49	5/30/2030	117.58657	112.5242491	107.7131018	103.1392483	98.78965337	94.65207337	90.71500354	86.9676288	83.39977825
180530A00026	5/30/2018	3.55	5/30/2031	120.81681	114.6305874	108.8065208	103.3213783	98.15354366	93.28289785	88.69070701	84.35951923	80.2730697
180530A00027	5/30/2018	3.61	6/1/2032	123.63831	116.3266488	109.5074982	103.144886	97.2056606	91.65925338	86.47746409	81.6342647	77.10562075
180530A00028	5/30/2018	3.67	5/31/2033	126.358	117.929819	110.1415402	102.9408505	96.27998535	90.1153135	84.40695805	79.11845427	74.21644031
180530A00030	5/30/2018	3.68	5/30/2034	128.51697	118.9951286	110.2766041	102.2887865	94.96600688	88.24884083	82.08348357	76.42119044	71.21777595
180605A00031	6/5/2018	3.37	6/5/2030	108.96206	106.3308345	103.7959461	101.3530416	98.99799418	96.72689289	94.53602995	92.42188862	90.38113211
180615A00039	6/15/2018	3.49	6/15/2028	110.40615	107.508436	104.7023718	101.9845087	99.35155538	96.80036468	94.3279266	91.93136127	89.60791234
180618A00036	6/18/2018	3.89	6/18/2048	162.52707	137.4287515	116.9933792	100.295091	86.59894606	75.32047477	65.99399002	58.24772454	51.78429525
180619A00021	6/19/2018	3.24	6/19/2028	110.09124	107.1786413	104.3586651	101.6278363	98.98282827	96.42045944	93.93768589	91.53159448	89.19939635
180620A00014	6/20/2018	3.4	6/20/2028	110.34925	107.4347847	104.6129542	101.8802879	99.23346372	96.66930379	94.18476741	91.77694412	89.44304726
180620A00038	6/20/2018	3.4	6/20/2028	110.34925	107.4347847	104.6129542	101.8802879	99.23346372	96.66930379	94.18476741	91.77694412	89.44304726
180621A00017	6/21/2018	3.42	6/21/2028	110.4164	107.4981217	104.6726692	101.9365672	99.2864883	96.71924931	94.23180402	91.82123645	89.48475447
180622A00004	6/22/2018	3.47	12/22/2028	112.40431	108.9392606	105.6006082	102.3830491	99.28153425	96.29125407	93.40762554	90.62628017	87.94305272
180622A00005	6/22/2018	3.5	7/2/2029	114.46368	110.4134421	106.5307232	102.8077282	99.23706493	95.81172123	92.52504328	89.37071547	86.34274149
180622A00006	6/22/2018	3.53	12/21/2029	116.27245	111.6988139	107.3338195	103.1668287	99.18780542	95.38727591	91.75629422	88.28640989	84.9696378
180628A00068	6/28/2018	3.12	6/28/2028	108.40774	105.8876075	103.4460192	101.0800396	98.78685972	96.56379221	94.40826503	92.3178159	90.29008695
180716A00054	7/16/2018	3.59	7/16/2040	138.39168	122.4596054	108.6509593	96.66590302	86.24860676	77.18058315	69.27505824	62.37221564	56.33517474
180717A00021	7/17/2018	3.34	7/17/2028	109.72244	106.9283749	104.2250791	101.6090615	99.07698856	96.62567422	94.25207225	91.95326931	89.72647829
180717A00047	7/17/2018	3.3	9/17/2025	100.13482	100.0876112	100.040466	99.99338126	99.94635675	99.89939238	99.85248805	99.80564364	99.75885903
180718A00008	7/18/2018	3.37	7/18/2028	110.49478	107.4631612	104.5319306	101.6972039	98.95526711	96.30257054	93.73572083	91.25147305	88.8467233
180719A00065	7/19/2018	3.36	7/20/2026	102.92052	102.0184217	101.1321447	100.2612752	99.40541354	98.56417387	97.7371834	96.92408193	96.12452135
180727A00028	7/27/2018	3.25	7/27/2026	102.95126	102.028689	101.1226517	100.2327031	99.35841723	98.49938314	97.65520406	96.82549687	96.00989157
180727A00039	7/27/2018	3.48	7/27/2028	110.94713	107.9209678	104.9940292	102.1625227	99.4228249	96.77147067	94.20514473	91.72067454	89.31502332
180730A00081	7/30/2018	3.5	7/28/2028	111.01614	107.9861957	105.055672	102.2207704	99.47785751	96.8234585	94.25424907	91.76704816	89.3588109
180814A00033	8/14/2018	3.25	8/13/2027	106.98779	104.9850756	103.0302263	101.1217996	99.2584095	97.43872124	95.66144847	93.92535136	92.22923453
180816A00038	8/16/2018	3.38	8/16/2028	110.84331	107.7634251	104.7862956	101.9079231	99.12449143	96.43235433	93.8280262	91.30817431	88.86961117
180820A00055	8/20/2018	3.37	8/21/2028	110.86093	107.7669611	104.7766492	101.8859512	99.09100139	96.38810641	93.77373674	91.24451826	88.79722456
180823A00053	8/23/2018	3.2	8/23/2028	110.58627	107.4857767	104.4894904	101.5933266	98.79338859	96.08595425	93.46746686	90.93452684	88.48388383

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
180823A00055	8/23/2018	3.44	8/23/2033	125.60452	116.947229	108.9666838	101.6061166	94.8138047	88.54259959	82.74950063	77.39527042	72.44408756
180828A00032	8/28/2018	3.49	8/29/2033	126.04242	117.3514555	109.3407779	101.9532284	95.13673968	88.84385694	83.03130742	77.65961166	72.69273299
180829A00008	8/29/2018	3.23	8/30/2027	107.12145	105.0707349	103.0700909	101.1179789	99.21291805	97.35348336	95.53830275	93.76605496	92.03546719
180831A00019	8/31/2018	3.21	9/2/2025	100.01897	100.0134155	100.0078621	100.0023136	99.99676987	99.99123099	99.98569692	99.98016767	99.97464321
180904A00012	9/4/2018	3.35	9/4/2030	118.0849	112.723966	107.6427248	102.8250766	98.25593499	93.92115568	89.80747255	85.9024386	82.19437114
180904A00014	9/4/2018	3.37	9/1/2028	110.9664	107.8402962	104.8198776	101.9009816	99.07963189	96.35203092	93.71455137	91.16372726	88.69624578
180905A00017	9/5/2018	3.43	9/6/2033	122.94034	115.2650681	108.170739	101.6092081	95.53659912	89.91290282	84.70161558	79.86941385	75.38586039
180906A00032	9/6/2018	3.24	9/5/2025	100.27288	100.1759223	100.0791612	99.98259529	99.88622389	99.79004642	99.69406227	99.59827083	99.50267152
180907A00013	9/7/2018	3.27	9/8/2025	100.2997	100.1944928	100.0895138	99.98476697	99.88025159	99.77596686	99.67191196	99.56808611	99.46448852
180910A00028	9/10/2018	3.56	9/9/2033	126.67603	117.9291621	109.8686613	102.4367008	95.58061825	89.25243045	83.40839454	78.00861304	73.0166774
180910A00033	9/10/2018	3.43	9/8/2028	111.22095	108.0709274	105.0278747	102.087551	99.24591227	96.49909795	93.84342142	91.27536101	88.79155163
180912A00011	9/12/2018	3.41	9/11/2026	103.50576	102.4532594	101.4221751	100.4118581	99.42168518	98.4510576	97.49940029	96.56616053	95.65080692
180913A00012	9/13/2018	3.31	9/13/2033	114.51129	109.9610195	105.6697187	101.6199443	97.79556569	94.18166078	90.76441727	87.5310422	84.46967956
180913A00030	9/13/2018	3.33	9/12/2025	100.099	100.0656515	100.0323457	99.99907809	99.96584865	99.93265729	99.89950395	99.86638854	99.83331102
180913A00033	9/13/2018	3.31	9/13/2033	114.51129	109.9610195	105.6697187	101.6199443	97.79556569	94.18166078	90.76441727	87.5310422	84.46967956
180914A00013	9/14/2018	3.48	9/14/2028	111.43658	108.2660638	105.2036114	102.2449283	99.38591205	96.62264761	93.95139703	91.36859051	88.87081772
180914A00028	9/14/2018	3.37	9/12/2025	100.10036	100.0670121	100.0337052	100.0004364	99.96720583	99.93401333	99.90085885	99.86774231	99.83466365
180914A00029	9/14/2018	3.48	9/14/2028	111.43658	108.2660638	105.2036114	102.2449283	99.38591205	96.62264761	93.95139703	91.36859051	88.87081772
180914A00049	9/14/2018	3.37	9/14/2033	114.78258	110.2215005	105.9200086	101.8606194	98.02716335	94.40468268	90.97933199	87.73828764	84.66966522
180920A00014	9/20/2018	3.59	9/20/2028	111.84037	108.6463791	105.5616425	102.5817946	99.70267201	96.92030212	94.23089304	91.63082425	89.11663777
180925A00013	9/25/2018	3.41	9/25/2028	105.83186	104.1739946	102.5589395	100.9852351	99.45148766	97.95636095	96.49857397	95.07689799	93.69015406
180925A00116	9/25/2018	3.28	9/25/2028	105.73331	104.0752757	102.460088	100.8862927	99.35249311	97.8573508	96.39958238	94.97795699	93.59129366
181003A00019	10/3/2018	3.44	10/3/2025	100.54017	100.3627204	100.1858995	100.0097045	99.83413205	99.65917892	99.48484181	99.31111746	99.13800264
181003A00032	10/3/2018	3.23	10/3/2025	100.24546	100.1579855	100.0706637	99.98349631	99.89648293	99.80962317	99.7229166	99.63636283	99.54996144
181004A00029	10/4/2018	3.7	10/4/2028	112.33399	109.0924046	105.9626847	102.9403152	100.020993	97.20061469	94.47526582	91.84121084	89.2948838
181010A00025	10/10/2018	3.48	10/10/2030	110.2272	107.3816441	104.6464249	102.0162979	99.4863072	97.05176719	94.70824633	92.45155148	90.27771345
181029A00051	2/5/2019	3.69	2/5/2029	113.62138	110.0091032	106.5328489	103.1867682	99.96529348	96.86312551	93.87521909	90.99676939	88.22319919
181029A00097	10/29/2018	3.53	10/27/2028	110.84596	107.8647031	104.9863944	102.2067875	99.52184198	96.92771161	94.42073358	91.99741831	89.6544399
181031A00070	3/1/2019	3.77	3/1/2029	114.18176	110.4859933	106.9319947	103.5135487	100.2247457	97.05996656	94.01386744	91.08136411	88.25761804
181105A00015	11/5/2018	3.57	11/5/2025	100.8606	100.5945541	100.3299208	100.0666863	99.80483931	99.54436897	99.28526435	99.02751471	98.77110938
181109A00028	11/9/2018	3.72	11/9/2026	104.53174	103.3077769	102.112524	100.9449771	99.80418001	98.68922012	97.59922592	96.53336474	95.4908406
181109A00029	11/9/2018	3.72	11/9/2026	104.53174	103.3077769	102.112524	100.9449771	99.80418001	98.68922012	97.59922592	96.53336474	95.4908406
181116A00006	11/16/2018	3.18	11/17/2025	100.44018	100.2845199	100.1294024	99.9748254	99.8207858	99.66728062	99.51430685	99.36186151	99.20994167

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
181211A00042	12/11/2018	3.7	12/11/2028	111.67073	108.5468508	105.5339361	102.6273935	99.82284179	97.11610454	94.50319931	91.98032757	89.5438652
181214A00030	12/14/2018	3.47	12/14/2033	123.60889	115.5839199	108.1841752	101.356427	95.05228016	89.22770816	83.84263616	78.86056653	74.24824139
181218A00040	12/18/2018	3.23	6/18/2030	108.72957	106.1009886	103.5687632	101.128528	98.77615218	96.50772077	94.31952238	92.20803702	90.16992488
181220A00041	12/20/2018	3.36	12/18/2026	104.44536	103.1236983	101.8290853	100.5606994	99.31775135	98.09948363	96.90516911	95.73410941	94.58563348
181226A00030	12/26/2018	2.91	12/26/2028	105.54707	103.7628262	102.0274004	100.3390559	98.69613242	97.09704091	95.54026021	94.02433356	92.54786534
181227A00019	12/28/2020	3.1	12/29/2025	100.95468	100.6211818	100.2898876	99.96077352	99.63381799	99.30899989	98.9862983	98.6656926	98.34716244
181227A00027	12/27/2018	3.24	12/26/2025	100.97467	100.6494439	100.3263205	100.0052759	99.68629015	99.36934349	99.05441634	98.74148942	98.43054368
181227A00028	12/27/2018	3.46	12/27/2028	112.41996	108.9407563	105.5889073	102.3590739	99.2461712	96.24535371	93.35200297	90.56171552	87.87029172
190102A00015	1/2/2019	2.97	1/3/2034	112.90714	108.4146987	104.1824266	100.1924063	96.42810401	92.87425426	89.51675282	86.34256033	83.33961416
190102A00020	1/2/2019	2.97	1/3/2034	112.90714	108.4146987	104.1824266	100.1924063	96.42810401	92.87425425	89.51675282	86.34256033	83.33961416
190102A00022	1/2/2019	2.97	1/3/2034	112.90714	108.4146987	104.1824266	100.1924063	96.42810401	92.87425425	89.51675282	86.34256033	83.33961416
190102A00024	1/2/2019	2.97	1/3/2034	112.90714	108.4146987	104.1824266	100.1924063	96.42810401	92.87425425	89.51675282	86.34256033	83.33961416
190102A00050	1/2/2019	3.38	1/3/2034	125.80348	116.771382	108.4734015	100.8456921	93.83027162	87.37445909	81.43036538	75.95443518	70.90703475
190103A00020	1/3/2019	3.12	1/5/2026	101.26479	100.8278655	100.3947247	99.96531577	99.53959068	99.11750204	98.69900332	98.28404879	97.87259347
190104A00006	1/4/2019	2.83	1/5/2026	100.6113	100.37209	100.1342156	99.89766635	99.66243015	99.42849519	99.19584977	98.96448233	98.73438148
190104A00033	1/4/2019	3.37	1/31/2029	112.45027	108.8736497	105.4313531	102.1176249	98.92698521	95.85421741	92.89435381	90.04266247	87.29463474
190104A00034	1/4/2019	3.18	1/4/2029	109.52353	106.6029294	103.7856605	101.0674146	98.44408734	95.91176881	93.46673326	91.1054293	88.82447077
190104A00035	1/4/2019	3.1	1/5/2026	101.25345	100.8174259	100.3851703	99.95663612	99.53177529	99.11054065	98.6928858	98.27876516	97.8681339
190104A00038	1/4/2019	3.25	1/4/2029	111.23257	107.8996844	104.6898623	101.5978595	98.61868604	95.74759111	92.98005033	90.31175372	87.73859424
190110A00005	1/10/2019	3.2	1/9/2026	101.08639	100.7221826	100.3606039	100.0016295	99.64523137	99.29138169	98.94005308	98.59121858	98.24485157
190111A00026	1/11/2019	3.48	1/11/2034	126.69066	117.6006847	109.2504545	101.5755137	94.51734547	88.02279345	82.04354587	76.5356713	71.45920125
190118A00006	1/18/2019	3.14	1/18/2034	114.19173	109.475284	105.0369313	100.8573062	96.91855247	93.20419365	89.69901666	86.38896599	83.26104741
190122A00045	1/22/2019	3.17	1/22/2027	104.70187	103.2870119	101.8982003	100.5347797	99.19611429	97.88158872	96.59060777	95.3225953	94.07699358
190122A00046	1/22/2019	3.29	1/22/2029	112.34203	108.7858234	105.3624579	102.0662752	98.89188435	95.83415166	92.88818717	90.04933163	87.3131444
190129A00073	1/29/2019	3.11	1/29/2029	105.92785	104.0957925	102.3147597	100.5829146	98.89849962	97.2598337	95.66530795	94.11338219	92.60258143
190131A00013	1/31/2019	3.48	1/31/2034	123.52142	115.342164	107.8099401	100.868872	94.46822358	88.56190291	83.10801313	78.06844927	73.40853558
190131A00019	1/31/2019	3.44	1/30/2034	126.44402	117.3131176	108.9296872	101.22823	94.1493128	87.6389777	81.64821191	76.13247136	71.05125245
190131A00023	1/31/2019	3.02	1/30/2034	113.62998	108.9363995	104.519601	100.3603073	96.4407434	92.74450792	89.25645743	85.96260101	82.85000439
190205A00017	2/5/2019	3.36	2/5/2029	111.689	108.2738742	104.9874618	101.8241632	98.77865183	95.84586282	93.02097808	90.29941306	87.67680395
190205A00020	2/5/2019	3.32	2/5/2029	111.72764	108.30832	105.0179618	101.8509473	98.80193695	95.86585307	93.0378659	90.31337984	87.68802075
190205A00021	2/5/2019	3.32	2/5/2029	111.72764	108.30832	105.0179618	101.8509473	98.80193695	95.86585307	93.0378659	90.31337984	87.68802075
190205A00022	2/5/2019	3.32	2/5/2029	111.72764	108.30832	105.0179618	101.8509473	98.80193695	95.86585307	93.0378659	90.31337984	87.68802075
190205A00023	2/5/2019	3.32	2/5/2029	111.72764	108.30832	105.0179618	101.8509473	98.80193695	95.86585307	93.0378659	90.31337984	87.68802075

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
190211A00017	2/11/2019	3.12	2/11/2026	101.34477	100.8885719	100.4364862	99.98845757	99.54443155	99.10435453	98.66817388	98.2358379	97.8072958
190225A00026	2/25/2019	3.43	2/27/2034	126.5222	117.3049925	108.8491404	101.0873231	93.95850959	87.40734285	81.38358539	75.84162139	70.74000967
190227A00033	2/27/2019	2.65	2/27/2026	100.73627	100.440581	100.1470271	99.85558167	99.56621958	99.278916	98.99364658	98.71038737	98.4291148
190301A00012	3/1/2019	3.41	3/1/2029	112.89981	109.2267497	105.6948131	102.2978085	99.02984858	95.88533602	92.85894737	89.94561811	87.14052857
190305A00015	3/5/2019	3.32	3/5/2029	111.80865	108.3167898	104.9588571	101.7289181	98.62133389	95.63074823	92.75207153	89.98046596	87.31133134
190305A00017	3/5/2019	3.12	3/5/2026	101.73603	101.1415636	100.5541066	99.97353371	99.39972416	98.8325598	98.27192527	97.71770788	97.16979753
190308A00016	3/8/2019	3.18	3/8/2034	120.82134	113.1270182	106.0333975	99.48874198	93.44609067	87.86278997	82.70007494	77.92269351	73.49856897
190308A00026	3/8/2019	3.18	3/8/2034	120.82134	113.1270182	106.0333975	99.48874198	93.44609067	87.86278997	82.70007494	77.92269351	73.49856897
190315A00017	3/15/2019	2.88	3/15/2034	113.16986	108.4073704	103.9305515	99.71918591	95.75465793	92.01981217	88.49882846	85.17710847	82.04117267
190315A00019	3/15/2019	2.88	3/15/2034	113.16986	108.4073704	103.9305515	99.71918591	95.75465793	92.01981217	88.49882846	85.17710846	82.04117266
190315A00023	3/15/2019	2.88	3/15/2034	113.16986	108.4073704	103.9305515	99.71918591	95.75465793	92.01981217	88.49882846	85.17710846	82.04117267
190315A00029	3/15/2019	2.88	3/15/2034	113.16986	108.4073704	103.9305515	99.71918591	95.75465793	92.01981217	88.49882846	85.17710846	82.04117267
190322A00008	3/22/2019	2.64	3/20/2026	100.81362	100.4791407	100.1473974	99.81835071	99.49196438	99.16820273	98.84703077	98.52841417	98.21231924
190327A00030	3/27/2019	2.9	3/27/2036	114.38309	108.7796064	103.5708837	98.72417078	94.20973805	90.00057369	86.07211435	82.40200445	78.96988072
190402A00004	4/2/2019	2.9	4/2/2029	111.62027	107.8741851	104.2751461	100.8165614	97.49217281	94.29603815	91.22251268	88.26623268	85.42209963
190402A00005	4/2/2019	2.77	4/2/2032	112.87495	108.0926331	103.5817687	99.32446173	95.3041227	91.50536658	87.91391763	84.51652236	81.30086982
190403A00010	4/3/2019	3.08	4/3/2029	111.44251	107.8187271	104.3372972	100.99177	97.77603101	94.68427883	91.7110076	88.8509897	86.09925994
190403A00013	4/3/2019	3.05	4/3/2029	111.08678	107.5447966	104.1410341	100.8692512	97.72352999	94.69825517	91.78809679	88.9879937	86.29313826
190403A00014	4/3/2019	3.05	4/3/2029	111.08678	107.5447966	104.1410341	100.8692512	97.72352999	94.69825517	91.78809679	88.9879937	86.29313826
190404A00015	4/4/2019	2.88	4/3/2026	101.81337	101.1381364	100.4718923	99.81446173	99.1656703	98.52534825	97.89333024	97.26945521	96.65356625
190409A00019	4/9/2019	2.91	4/9/2029	111.71908	107.9511684	104.331794	100.8542633	97.51222819	94.29966233	91.21084283	88.24033308	85.38296669
190422A00030	4/22/2019	2.93	12/22/2025	100.82638	100.5127095	100.2009953	99.89122255	99.58337303	99.27742883	98.97337224	98.67118576	98.37085211
190426A00023	4/26/2019	2.91	6/24/2026	102.2603	101.4338102	100.6206684	99.82055244	99.03315099	98.25816263	97.49529539	96.74426641	96.00480155
190501A00015	5/1/2019	2.78	5/1/2029	105.74613	103.7486555	101.8108077	99.93031585	98.10501379	96.33283356	94.61180017	92.94002671	91.31570981
190502A00016	5/2/2019	2.87	5/1/2026	102.02539	101.2708559	100.5275295	99.79516339	99.07351624	98.36235358	97.66144776	96.97057771	96.28952864
190506A00026	5/6/2019	3.03	5/4/2029	111.50628	107.8027321	104.2474922	100.8337205	97.55493921	94.40500836	91.37810581	88.46870862	85.67157567
190510A00049	5/10/2019	2.58	5/8/2026	101.0125	100.590507	100.1729394	99.75971719	99.35076508	98.94600949	98.54537867	98.14880257	97.75621284
190514A00021	5/14/2019	2.72	11/14/2025	100.4994	100.2912493	100.0839701	99.87756093	99.67201626	99.46733058	99.26349846	99.06051448	98.85837329
190515A00035	5/15/2019	2.82	2/15/2029	110.3296	106.849103	103.5016512	100.2813937	97.18277019	94.20049596	91.32954641	88.56514277	85.90273857
190520A00020	5/20/2019	2.39	5/20/2026	100.95217	100.5339925	100.1201445	99.71055274	99.30514449	98.90384871	98.50659609	98.11331895	97.7239512
190529A00061	5/29/2019	2.46	5/29/2026	100.96177	100.5399893	100.1226314	99.70961671	99.30086998	98.89631767	98.49588805	98.09951111	97.70711855
190531A00037	5/31/2019	2.61	5/31/2029	111.02255	107.1219243	103.3802303	99.79006629	96.34441921	93.03664558	89.86044939	86.8098615	83.87922039
190531A00038	5/31/2019	2.82	5/31/2034	121.58309	112.3234343	103.8535065	96.10147694	89.00241387	82.49758704	76.53384488	71.0630573	66.04161682

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
190605A00007	6/5/2019	2.47	6/5/2026	101.94916	101.1037656	100.2724647	99.45490672	98.65075228	97.859673	97.08135115	96.31547926	95.56175967
190605A00023	6/5/2019	2.64	6/5/2029	110.46923	106.7117219	103.1078322	99.65044046	96.33279826	93.14850337	90.09148028	87.15596178	84.33647171
190605A00024	6/5/2019	2.64	6/5/2029	110.46923	106.7117219	103.1078322	99.65044046	96.33279826	93.14850337	90.09148028	87.15596178	84.33647171
190605A00025	6/5/2019	2.64	6/5/2029	110.46923	106.7117219	103.1078322	99.65044046	96.33279826	93.14850337	90.09148028	87.15596178	84.33647171
190605A00027	6/5/2019	2.64	6/5/2029	110.46923	106.7117219	103.1078322	99.65044046	96.33279826	93.14850337	90.09148028	87.15596178	84.33647171
190606A00027	6/6/2019	2.51	6/5/2026	101.8384	101.0656618	100.3046289	99.55503774	98.81663174	98.08916183	97.37238632	96.66607059	95.96998686
190606A00028	6/6/2019	2.74	6/6/2029	111.28764	107.3724527	103.6171781	100.0143706	96.55698037	93.23832655	90.05207587	86.9922221	84.05306706
190606A00029	6/6/2019	2.96	6/6/2034	122.17817	112.9087694	104.4293229	96.66800417	89.55987915	83.04621215	77.07384423	71.59463666	66.56497272
190620A00033	6/20/2019	2.1	6/20/2029	104.73186	102.7059926	100.7417976	98.83688907	96.98899064	95.19593051	93.45563596	91.76612804	90.12551663
190625A00023	6/25/2019	2.47	6/25/2027	104.90778	103.0618523	101.2573539	99.49309797	97.76793681	96.08076362	94.43051061	92.81614734	91.23667912
190628A00007	6/28/2019	2.28	6/28/2034	110.24295	105.6182957	101.2740119	97.18996243	93.3476289	89.72996918	86.32128906	83.10712586	80.07414281
190702A00068	7/2/2019	2.69	7/1/2039	120.55938	109.4486759	99.62949069	90.93735102	83.22993838	76.38397842	70.29257965	64.86295767	60.01448743
190702A00071	7/2/2019	2.69	7/1/2039	120.55938	109.4486759	99.62949069	90.93735102	83.22993838	76.38397842	70.29257965	64.86295767	60.01448743
190703A00017	7/3/2019	2.33	5/4/2026	101.49607	100.8129534	100.1390113	99.47406253	98.81792786	98.17043291	97.53140781	96.90068716	96.27810982
190708A00028	7/8/2019	2.57	7/2/2029	110.38398	106.5615799	102.898217	99.3863954	96.01901055	92.78932907	89.69096747	86.71787207	83.86430018
190708A00029	7/8/2019	2.57	7/2/2029	110.38398	106.5615799	102.898217	99.3863954	96.01901055	92.78932907	89.69096747	86.71787207	83.86430018
190708A00030	7/8/2019	2.57	7/2/2029	110.38398	106.5615799	102.898217	99.3863954	96.01901055	92.78932907	89.69096747	86.71787207	83.86430018
190708A00032	7/8/2019	2.58	7/2/2029	110.22666	106.4123355	102.7566169	99.25203347	95.89150382	92.66831648	89.57610846	86.60884529	83.76080234
190712A00016	7/12/2019	2.39	7/12/2029	105.29502	103.2183289	101.2058468	99.25505983	97.36357113	95.52909481	93.74945002	92.02255534	90.34642353
190718A00012	7/18/2019	2.55	7/18/2029	109.74325	106.1291514	102.6637238	99.33995954	96.15122198	93.09122306	90.15400289	87.33391075	84.62558733
190724A00021	7/24/2019	2.33	7/23/2027	105.0033	103.0776852	101.1969355	99.35973936	97.56483162	95.81099217	94.097044	92.42185139	90.78431815
190724A00024	7/24/2019	2.49	7/24/2029	110.96111	106.9105577	103.0309066	99.31406243	95.75235885	92.33853027	89.06568864	85.92730189	82.91717367
190726A00017	7/26/2019	2.44	7/24/2026	102.12384	101.2145685	100.3214533	99.44406873	98.58200196	97.73485432	96.90224091	96.08378997	95.27914233
190802A00011	8/2/2019	2.01	8/2/2029	104.74633	102.6361388	100.5923323	98.61227013	96.69344068	94.83344986	93.03001485	91.2809581	89.58420172
190807A00021	8/7/2019	2	8/7/2026	101.80879	100.8624541	99.93364945	99.02189578	98.12672684	97.24769322	96.38436163	95.53631416	94.70314761
190809A00020	8/9/2019	2.44	8/9/2034	118.36679	109.0629834	100.5718909	92.81809776	85.73354937	79.25679964	73.33233885	67.90999303	62.94438674
190809A00021	8/9/2019	2.12	8/9/2029	109.58814	105.520918	101.6273954	97.8992546	94.32862017	90.90803277	87.63042513	84.48909935	81.47770557
190813A00051	8/13/2019	2.19	8/13/2029	109.15875	105.2689635	101.5452371	97.97953787	94.56426426	91.29222293	88.15660467	85.15096163	82.26918611
190813A00052	8/13/2019	2.24	8/13/2029	109.15543	105.2697103	101.54976	97.98756503	94.57554177	91.30651374	88.17368737	85.17062939	82.29124571
190814A00003	8/14/2019	2.01	8/14/2029	109.17489	105.1022432	101.2041855	97.47232846	93.89872937	90.47586701	87.19661684	84.05422799	81.04230161
190819A00030	8/19/2019	2.01	8/20/2029	109.20929	105.1195778	101.2058607	97.4596462	93.87289841	90.43800945	87.14777436	83.99536758	80.97432091
190820A00021	8/20/2019	2.13	8/20/2029	109.40144	105.3160514	101.4062231	97.66349259	94.07985235	90.64772101	87.35991829	84.20964158	81.19044406
190823A00009	8/23/2019	1.8	8/23/2029	104.24794	102.1704101	100.1579929	98.20810634	96.31828974	94.48619769	92.70959372	90.98634449	89.31441431

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
190826A00018	8/26/2019	1.9	8/27/2029	108.80195	104.7013246	100.778056	97.02354331	93.42965164	89.9886815	86.69334322	83.53673278	80.5123094
190826A00030	8/26/2019	1.72	8/26/2026	101.71718	100.7178924	99.73815045	98.77738695	97.83505471	96.91062743	96.00359868	95.11348096	94.23980484
190826A00032	8/26/2019	1.72	8/24/2029	104.13108	102.0319259	99.99888232	98.02931617	96.12072269	94.27071463	92.47701587	90.73745541	89.04996178
190826A00058	8/26/2019	1.91	8/26/2026	101.83734	100.8384087	99.8590002	98.89854476	97.95649641	97.03232997	96.12554008	95.23564025	94.36216202
190826A00060	8/26/2019	2.02	8/26/2027	104.49741	102.4874492	100.5263928	98.61275006	96.74508186	94.92200282	93.14217886	91.4043249	89.70720274
190826A00063	8/26/2019	2.05	8/28/2028	106.91046	103.8573311	100.9076132	98.05723419	95.30230687	92.63911898	90.064124	87.57393283	85.16530577
190826A00065	8/26/2019	2.09	8/28/2029	109.28574	105.1808977	101.2533795	97.49459887	93.89642715	90.45117077	87.15154534	83.99065172	80.96195351
190828A00015	8/28/2019	2.04	8/28/2029	109.0825	104.9817408	101.0581821	97.30323754	93.7087834	90.26713073	86.97099956	83.81349494	80.78808453
190828A00019	8/28/2019	2	3/28/2028	105.84225	103.2240391	100.6839616	98.21921152	95.82710418	93.50506852	91.25064156	89.0614631	86.93527064
190828A00020	8/28/2019	1.95	5/28/2027	103.75259	101.9953252	100.2761979	98.59403321	96.94770439	95.33613096	93.75827628	92.2131453	90.69978243
190829A00032	8/29/2019	1.69	8/28/2026	100.88742	100.3392715	99.79867999	99.26547424	98.73948599	98.22055234	97.70851559	97.203223	96.70452658
190829A00039	8/29/2019	1.85	8/29/2034	108.57103	103.7905643	99.30904713	95.10448335	91.15667976	87.4470862	83.9586501	80.67568476	77.58375019
190829A00045	8/29/2019	1.9	8/28/2026	101.83926	100.8348013	99.85007232	98.88449947	97.93752813	97.00862492	96.09727668	95.20298953	94.32528795
190830A00002	8/30/2019	1.93	8/28/2026	101.86941	100.8647816	99.87989207	98.9141608	97.96703317	97.03797576	96.12647536	95.23203804	94.35418823
190905A00019	9/5/2019	2.08	9/5/2029	108.84524	104.9106075	101.145944	97.54292473	94.09368219	90.79077706	87.62717249	84.59620985	81.6915862
190905A00021	9/5/2019	2.08	9/5/2029	108.84524	104.9106075	101.145944	97.54292473	94.09368219	90.79077706	87.62717249	84.59620985	81.69158619
190905A00023	9/5/2019	2.08	9/5/2029	108.84524	104.9106075	101.145944	97.54292473	94.09368219	90.79077706	87.62717249	84.59620985	81.69158619
190905A00024	9/5/2019	2.08	9/5/2029	108.84524	104.9106075	101.145944	97.54292473	94.09368219	90.79077706	87.62717249	84.59620985	81.69158619
190905A00025	9/5/2019	2.08	9/5/2029	108.84524	104.9106075	101.145944	97.54292473	94.09368219	90.79077706	87.62717249	84.59620985	81.6915862
190910A00044	9/10/2019	2.02	9/10/2026	102.22034	101.1131316	100.0300678	98.97036375	97.93326765	96.91805977	95.92405069	94.95057968	93.99701328
190911A00016	9/11/2019	1.9	9/11/2029	104.60782	102.4574155	100.3758109	98.36023636	96.40805231	94.51674423	92.6839159	90.90728297	89.18466694
190913A00018	9/13/2019	2.11	9/11/2026	101.16561	100.5773771	99.99780559	99.42668725	98.8638172	98.30899756	97.76203711	97.22275102	96.69096053
190923A00012	9/23/2019	2.43	9/25/2034	118.38376	108.9559134	100.3621358	92.52406376	85.37107741	78.83949969	72.87188124	67.41636237	62.42610326
190923A00020	9/23/2019	2.05	9/24/2029	109.58538	105.3902703	101.3792549	97.54326879	93.87374656	90.36258931	87.00213644	83.78513946	80.70473745
190925A00009	9/25/2019	2	9/25/2026	102.26407	101.1345718	100.0304374	98.95081822	97.89490005	96.86190452	95.85108708	94.86173519	93.89316661
190926A00002	9/30/2019	2.01	9/29/2034	109.40152	104.5419968	99.98884282	95.71934163	91.71265394	87.94964835	84.41274897	81.08579781	77.95393018
190926A00015	9/26/2019	2.32	11/26/2030	112.85021	107.4020652	102.2507359	97.37844458	92.76857806	88.40560383	84.27499365	80.36315285	76.65735495
190926A00016	9/26/2019	2.28	5/24/2030	111.70413	106.7979666	102.1363853	97.70585501	93.49367037	89.48789699	85.6773202	82.05139718	78.60021279
190926A00017	9/26/2019	2.23	9/26/2029	110.04314	105.8415283	101.8241607	97.9819725	94.30639292	90.78931806	87.42308258	84.20043352	81.11450571
190930A00071	9/30/2019	2.05	9/29/2025	100.13051	100.0500503	99.96972278	99.88952526	99.80945737	99.72951881	99.64970928	99.57002847	99.4904761
190930A00075	9/30/2019	2.19	9/29/2027	105.09037	102.9794397	100.9214844	98.91481735	96.95781972	95.04893606	93.18667137	91.36958825	89.5963042
190930A00077	9/30/2019	2.23	9/28/2029	110.05621	105.8486851	101.8258599	97.97863679	94.29841516	90.77706347	87.40689078	84.18062037	81.09136504
191004A00001	10/4/2019	2.47	10/4/2034	118.09333	108.688581	100.1167017	92.2993494	85.16593027	78.65279944	72.70254458	67.26334643	62.28840788

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
191004A00002	10/4/2019	2.08	10/4/2029	109.46839	105.2564234	101.2300971	97.38023423	93.6981605	90.17567628	86.80502805	83.57888146	80.49029624
191004A00003	10/4/2019	1.89	10/5/2026	102.07944	100.9683629	99.88136299	98.81766823	97.77653555	96.75725311	95.75913877	94.78153849	93.82382495
191004A00017	10/4/2019	2.02	10/4/2029	108.75317	104.7503135	100.923142	97.26290687	93.76135086	90.41067455	87.20350811	84.13288485	81.19221674
191004A00019	10/4/2019	2.02	10/4/2029	108.75317	104.7503135	100.923142	97.26290687	93.76135086	90.41067455	87.20350811	84.13288485	81.19221674
191004A00022	10/4/2019	2.02	10/4/2029	108.75317	104.7503135	100.923142	97.26290687	93.76135086	90.41067455	87.20350811	84.13288485	81.19221674
191004A00023	10/4/2019	2.02	10/4/2029	108.75317	104.7503135	100.923142	97.26290687	93.76135086	90.41067455	87.20350811	84.13288485	81.19221674
191004A00032	10/4/2019	2.01	1/3/2028	105.32957	102.9531925	100.6421985	98.39443891	96.20784547	94.08042949	92.01027816	89.99555125	88.0344779
191007A00029	10/7/2019	1.88	10/9/2029	108.96296	104.7392073	100.7024646	96.84345036	93.1533922	89.62399999	86.24743655	83.01629014	79.92354893
191008A00007	10/8/2019	1.67	10/9/2029	104.19221	102.0082372	99.89526278	97.85038799	95.87085355	93.95403253	92.09742299	90.29864115	88.55541496
191008A00014	10/8/2019	1.85	10/8/2026	102.22212	101.037569	99.88065114	98.75040987	97.64592799	96.56632997	95.51077961	94.47847784	93.46866073
191009A00009	10/9/2019	1.8	10/9/2026	101.06434	100.435165	99.81592387	99.20636056	98.606224	98.01527225	97.43327208	96.85999854	96.29523461
191011A00027	10/11/2019	1.84	10/11/2029	104.56942	102.3773742	100.2566002	98.20418488	96.21735801	94.29348233	92.43004605	90.62465605	88.87503138
191015A00025	10/15/2019	2.01	10/15/2029	104.79096	102.5966047	100.4735326	98.41883736	96.4297501	94.5036346	92.63798001	90.83039402	89.07859637
191017A00022	10/17/2019	2.25	7/17/2028	107.24941	104.3051397	101.4570107	98.70137455	96.03474313	93.4537789	90.95528771	88.5362118	86.19362316
191017A00026	10/17/2019	2.3	7/17/2029	109.87278	105.8706149	102.0365915	98.36278718	94.8416937	91.46619299	88.22953501	85.12531675	82.14746262
191021A00021	10/21/2019	2.22	12/21/2027	105.74069	103.3945924	101.1121945	98.89138526	96.73013531	94.62649582	92.57859469	90.58463301	88.64288161
191025A00009	10/25/2019	2.26	5/25/2029	109.36919	105.5237084	101.834493	98.2942935	94.89623859	91.63381716	88.5008572	85.4915057	82.60021001
191025A00010	10/25/2019	2.24	7/25/2028	107.27144	104.3051565	101.436396	98.66143735	95.9767185	93.37883249	90.86451973	88.43066083	86.07426971
191031A00033	10/31/2019	2.2	5/31/2028	106.79412	103.9865931	101.2671775	98.63252714	96.07944591	93.60488285	91.20592437	88.87978678	86.62380949
191101A00004	11/1/2019	1.91	11/1/2029	108.15009	104.3479718	100.7115744	97.23261216	93.90327045	90.716172	87.66434948	84.74122003	81.94056152
191101A00005	11/1/2019	1.83	11/2/2026	102.43754	101.1871426	99.96679046	98.77540376	97.61195461	96.47546344	95.36499611	94.27966133	93.21860821
191104A00022	11/4/2019	2.17	8/4/2027	104.64504	102.6930393	100.7872081	98.92617092	97.10860721	95.33324406	93.59885429	91.9042544	90.24830277
191104A00023	11/4/2019	2.24	8/4/2028	107.33546	104.3410767	101.4459925	98.64637832	95.93857718	93.31909279	90.78458155	88.33184496	85.95782244
191104A00024	11/4/2019	2.26	8/3/2029	109.82111	105.773699	101.8982216	98.1864821	94.63072278	91.22359386	87.95812984	84.82772735	81.82612444
191104A00025	11/4/2019	2.33	8/2/2030	112.32444	107.2104335	102.3604747	97.75957859	93.39368625	89.24960256	85.31493883	81.57805943	78.0280323
191105A00007	11/5/2019	1.98	11/5/2026	102.48636	101.2853115	100.1122921	98.96632553	97.8464844	96.75188343	95.68167687	94.63505641	93.61124907
191105A00012	11/5/2019	2.07	11/3/2034	109.80456	104.8426333	100.1984953	95.84823202	91.76993484	87.94351533	84.35054106	80.97408709	77.79860176
191106A00022	11/6/2019	2.34	1/2/2030	111.12541	106.6304046	102.3432068	98.25315941	94.35020849	90.62486263	87.0681587	83.6716298	80.42727535
191108A00013	11/8/2019	2.25	11/8/2029	110.70521	106.3623454	102.2145028	98.25184689	94.465095	90.84548403	87.38473822	84.07503901	80.9089969
191108A00014	11/8/2019	2.25	11/8/2029	110.70521	106.3623454	102.2145028	98.25184689	94.465095	90.84548403	87.38473822	84.07503901	80.9089969
191112A00022	11/12/2019	2.36	11/13/2029	110.35408	106.2117019	102.2548308	98.47408101	94.86060093	91.40603462	88.10249119	84.94251614	81.91906468
191112A00023	11/12/2019	2.36	11/13/2029	110.35408	106.2117019	102.2548308	98.47408101	94.86060093	91.40603462	88.10249119	84.94251614	81.91906468
191113A00013	11/13/2019	2.17	11/13/2026	102.8512	101.5749173	100.3261039	99.10387544	97.90738212	96.73581053	95.5883817	94.4643493	93.36299786

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
191115A00028	11/15/2019	2.34	9/28/2029	110.5129	106.2959973	102.2640978	98.40808779	94.71935526	91.18975772	87.81159383	84.5775769	81.48081028
191115A00029	11/15/2019	2.07	11/15/2029	104.9484	102.7390343	100.6021686	98.53481313	96.53412356	94.59739329	92.72204576	90.90562726	89.14580019
191115A00030	11/15/2019	2.35	11/9/2029	110.82721	106.4879121	102.3433287	98.3836412	94.59958619	90.98241859	87.52387948	84.216166	81.05190339
191120A00005	11/20/2019	2.63	11/20/2034	119.68062	110.083405	101.3447689	93.38305916	86.12480068	79.50383318	73.46054779	67.94120687	62.89733778
191120A00006	11/20/2019	2.67	11/20/2035	120.96112	110.3643991	100.8048481	92.1749153	84.37873825	77.33081773	70.95484853	65.18268736	59.95344152
191120A00024	11/20/2019	2.23	11/16/2029	110.35894	106.0098205	101.8567571	97.88982063	94.09964501	90.47739103	87.01471308	83.70372856	80.53698927
191121A00009	11/21/2019	2.55	11/21/2036	120.98512	109.4215239	99.08991519	89.85175128	81.58475247	74.18092021	67.54480276	61.59197931	56.24773418
191121A00010	11/21/2019	2.59	11/20/2037	121.74969	109.2508269	98.18587277	88.38151987	79.68627251	71.96759836	65.10946736	59.01022096	53.58072602
191121A00034	11/21/2019	2.28	11/2/2029	110.48333	106.170989	102.0514626	98.11507076	94.35267355	90.75564014	87.31581739	84.02550047	80.87740547
191122A00003	11/22/2019	2.32	11/22/2039	115.43938	105.6692143	96.99061176	89.26713219	82.38059194	76.22849574	70.7218453	65.78326699	61.34541024
191122A00018	11/26/2019	3.11	11/22/2039	129.19335	114.5428513	101.7882187	90.67042996	80.96723349	72.48775381	65.06791446	58.56654875	52.86209214
191122A00020	11/26/2019	3.2	11/23/2037	128.25124	115.4194328	104.0450406	93.95287256	84.98970742	77.0214348	69.93058096	63.61416633	57.98184854
191122A00021	11/26/2019	3.4	11/22/2038	131.75802	117.8170492	105.56415	94.78292899	85.28588738	76.91042678	69.5154238	62.97829114	57.19245419
191125A00036	11/25/2019	2.29	11/23/2029	110.66149	106.2862402	102.1089263	98.11948893	94.30843805	90.66681943	87.18618118	83.85854227	80.67636334
191126A00026	11/26/2019	1.91	11/25/2026	102.5432	101.2860951	100.0596629	98.86278997	97.69441804	96.55353879	95.43919096	94.35045763	93.28646371
191203A00009	12/3/2019	2.21	12/3/2029	109.83753	105.6605081	101.6727358	97.86460169	94.22703408	90.75146615	87.42980541	84.25440499	81.21803687
191203A00010	12/3/2019	2.21	12/3/2029	109.83753	105.6605081	101.6727358	97.86460169	94.22703408	90.75146615	87.42980541	84.25440499	81.21803687
191203A00011	12/3/2019	2.21	12/3/2029	109.83753	105.6605081	101.6727358	97.86460169	94.22703408	90.75146615	87.42980541	84.25440499	81.21803687
191206A00005	12/6/2019	2.18	12/7/2026	103.03316	101.6990162	100.3887595	99.10179999	97.83756832	96.5955131	95.37510042	94.1758131	92.99715009
191206A00008	12/6/2019	2.44	12/6/2030	113.53905	108.0453296	102.8520118	97.94105398	93.29559937	88.89988863	84.73918233	80.79968925	77.06850007
191206A00009	12/6/2019	2.87	12/4/2037	124.26632	111.6416851	100.461489	90.55126003	81.7584828	73.94973597	67.00821295	60.83157567	55.33009507
191206A00013	12/6/2019	3.05	12/6/2044	141.15816	121.2089901	104.5551608	90.61997998	78.93130343	69.1020592	60.81448577	53.80736081	47.8656408
191209A00005	12/9/2019	2.22	12/10/2029	109.24883	105.3378585	101.6006603	98.02848159	94.61305679	91.34657915	88.22167286	85.23136696	82.36907103
191220A00001	12/20/2019	2.62	12/19/2031	116.21421	109.6010064	103.4106261	97.61380853	92.18346842	87.0945197	82.32371794	77.84951605	73.65193195
191220A00002	12/20/2019	3.02	12/20/2038	126.87925	113.1800116	101.1582851	90.59728741	81.30936743	73.13195476	65.92409225	59.56346301	53.94383922
191223A00055	12/23/2019	2.46	12/7/2029	111.48783	107.056041	102.826113	98.78773638	94.93119235	91.2473115	87.72743919	84.36340355	81.14748563
191223A00056	12/23/2019	2.46	12/14/2029	111.53316	107.0812484	102.8328861	98.77767341	94.90580067	91.20801078	87.67556477	84.30020986	81.07414958
191224A00002	12/24/2019	2.17	12/24/2029	105.35427	103.06233	100.8472517	98.70580871	96.63493732	94.63172407	92.69339734	90.81731945	89.00097915
191226A00019	12/26/2019	2.4	12/22/2028	108.80066	105.3961216	102.1163282	98.95604033	95.91026479	92.97424532	90.14344997	87.41355922	84.78045467
191226A00020	12/26/2019	2.44	12/21/2029	111.49075	107.0206015	102.7556351	98.68536256	94.79988483	91.08985865	87.54646221	84.16136323	80.92668912
200103A00002	1/3/2020	2.07	1/3/2030	109.04376	105.0820665	101.298927	97.68522116	94.23234126	90.93216429	87.77702218	84.75967387	81.8732792
200109A00006	1/9/2020	1.95	1/9/2030	105.10245	102.7714863	100.5199372	98.34442881	96.24175629	94.20887339	92.24288372	90.34103226	88.50069744
200109A00008	1/9/2020	1.95	1/9/2030	105.10245	102.7714863	100.5199372	98.34442881	96.24175629	94.20887339	92.24288372	90.34103225	88.50069744

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200110A00037	1/10/2020	2.32	1/10/2030	110.50592	106.217916	102.1283368	98.22688946	94.50386687	90.95011459	87.5569964	84.31636223	81.22051824
200110A00038	1/10/2020	2.32	1/10/2030	110.50592	106.217916	102.1283368	98.22688946	94.50386687	90.95011459	87.5569964	84.31636223	81.22051824
200110A00039	1/10/2020	2.32	1/10/2030	110.50592	106.217916	102.1283368	98.22688946	94.50386687	90.95011459	87.5569964	84.31636223	81.22051824
200110A00043	1/10/2020	2.32	1/10/2030	110.50592	106.217916	102.1283368	98.22688946	94.50386687	90.95011459	87.5569964	84.31636223	81.22051824
200115A00013	1/15/2020	2.18	1/15/2030	108.3733	104.7710143	101.3258801	98.02997987	94.87584466	91.85642364	88.96505835	86.19545858	83.54167994
200116A00012	1/16/2020	2.16	1/19/2027	103.30811	101.8559607	100.4318842	99.035136	97.66499629	96.32076996	95.00178569	93.70739494	92.43697097
200124A00008	1/24/2020	1.92	1/22/2027	102.9343	101.5325266	100.1565746	98.80579369	97.47955402	96.17724613	94.89828034	93.64208591	92.40811027
200130A00046	1/30/2020	1.81	1/29/2027	101.34272	100.5826615	99.83577023	99.10168339	98.38005057	97.67053467	96.97281127	96.286568	95.61150398
200131A00032	1/31/2020	2.1	1/31/2030	110.21819	105.664478	101.3250782	97.18881033	93.24513708	89.48412093	85.89638707	82.47308864	79.20587431
200203A00046	2/3/2020	1.98	2/3/2040	111.04438	103.7219432	97.08136005	91.04879143	85.5591844	80.55515041	75.98599699	71.80688874	67.97811954
200204A00012	2/4/2020	1.98	2/4/2027	103.00666	101.5698683	100.1601478	98.77679604	97.41913844	96.08652299	94.77831926	93.49391751	92.23272787
200206A00027	2/6/2020	2.15	2/6/2030	109.90366	105.5732109	101.4460111	97.51136665	93.75920104	90.18002015	86.76487522	83.5053286	80.39342179
200206A00031	2/6/2020	2.15	2/6/2030	109.90366	105.5732109	101.4460111	97.51136665	93.75920104	90.18002015	86.76487522	83.5053286	80.39342179
200206A00032	2/6/2020	2.15	2/6/2030	109.90366	105.5732109	101.4460111	97.51136665	93.75920104	90.18002015	86.76487522	83.5053286	80.39342179
200206A00033	2/6/2020	2.15	2/6/2030	109.90366	105.5732109	101.4460111	97.51136665	93.75920104	90.18002015	86.76487522	83.5053286	80.39342179
200207A00017	2/7/2020	1.96	2/8/2027	103.00738	101.5586912	100.1375026	98.74310203	97.37479897	96.03192603	94.7138381	93.41991147	92.14954287
200207A00018	2/7/2020	2.14	2/7/2030	110.4429	105.8631892	101.4999066	97.34171846	93.37793925	89.59849453	85.99388297	82.55514074	79.27380835
200210A00005	2/10/2020	1.77	2/10/2027	102.84672	101.3916157	99.96427365	98.563965	97.18998954	95.84167083	94.5183551	93.21941036	91.94422548
200212A00013	2/12/2020	1.98	2/12/2027	103.18586	101.6788287	100.2017481	98.75379285	97.33416862	95.94210957	94.57687712	93.23775869	91.92406658
200220A00013	2/20/2020	2.09	12/14/2029	109.91727	105.5001744	101.2854735	97.26281237	93.4224272	89.75510452	86.25214689	82.90534104	79.70692814
200220A00014	2/20/2020	2.09	12/21/2029	109.95535	105.5184232	101.2855759	97.24635968	93.3909195	89.70995402	86.19468129	82.83680697	79.62849458
200220A00026	2/20/2020	2.22	2/21/2040	112.78656	104.7672644	97.52988736	90.98653323	85.06010317	79.68287821	74.7953001	70.3449192	66.28548552
200221A00012	2/21/2020	2.14	2/21/2040	112.14274	104.171468	96.9774631	90.4733466	84.58247503	79.23752995	74.37930589	69.95566431	65.92062989
200221A00023	2/21/2020	2.05	12/7/2029	109.70528	105.3117372	101.1187875	97.11617423	93.29422876	89.64382925	86.15636639	82.82371146	79.6381866
200221A00024	2/21/2020	2.05	12/28/2029	109.81717	105.3642317	101.116938	97.06475005	93.19772596	89.50648046	85.98215091	82.61636555	79.40121379
200225A00017	2/25/2020	1.94	2/25/2030	109.64341	105.0276208	100.6327062	96.44695327	92.45933325	88.65945588	85.0375292	81.58432191	78.29112835
200225A00018	2/25/2020	1.94	2/25/2030	109.64341	105.0276208	100.6327062	96.44695327	92.45933325	88.65945588	85.0375292	81.58432191	78.29112835
200225A00028	2/25/2020	1.89	12/21/2029	109.07797	104.6600356	100.4455421	96.42407232	92.58579646	88.92143709	85.42223505	82.07991767	78.88666914
200225A00029	2/25/2020	1.89	12/28/2029	109.11213	104.6745205	100.4420376	96.40416858	92.55099199	88.87314202	85.36177452	82.00853533	78.80553064
200225A00049	2/25/2020	1.79	2/24/2040	109.63986	102.4198789	95.87021593	89.91853888	84.50108747	79.5615861	75.05030168	70.92322693	67.14137145
200226A00009	2/26/2020	1.75	2/26/2030	109.11136	104.4945362	100.0992018	95.91359097	91.92662285	88.12785948	84.507465	81.05616776	77.76522502
200227A00004	2/27/2020	1.65	2/27/2030	108.65842	104.0488178	99.66063824	95.48210452	91.50212951	87.71026981	84.09668496	80.65209944	77.36776732
200227A00030	2/27/2020	1.59	2/27/2026	100.71854	100.219872	99.72612516	99.23722726	98.75310718	98.27369519	97.79892293	97.32872336	96.86303072

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200227A00046	2/27/2020	1.52	3/1/2027	101.19768	100.3974118	99.61121504	98.83869674	98.07948362	97.33321642	96.59954929	95.87814909	95.16869484
200228A00025	2/28/2020	1.57	3/2/2027	102.57594	101.0657536	99.5853933	98.13405478	96.71095914	95.31535491	93.94651677	92.60374448	91.2863617
200228A00026	2/28/2020	2.14	2/28/2035	115.24802	105.5943435	96.83328029	88.8774939	81.64860604	75.07624007	69.09716767	63.65455031	58.69726463
200228A00059	2/28/2020	1.79	2/28/2030	108.97387	104.3641982	99.97572907	95.79670184	91.8160469	88.02333709	84.40874696	80.96301492	77.67740787
200228A00071	2/28/2020	1.74	12/14/2029	108.38872	104.0045639	99.82170485	95.82983571	92.01923607	88.38073373	84.90567051	81.58587053	78.41361056
200228A00091	2/28/2020	1.72	12/7/2029	108.27054	103.9077853	99.74459862	95.77077054	91.9766727	88.35322159	84.89184438	81.5844471	78.42338494
200302A00036	3/2/2020	1.45	3/2/2026	100.66012	100.1533604	99.65168712	99.15502421	98.66329692	98.176432	97.69435762	97.21700338	96.74430022
200303A00012	3/3/2020	1.71	3/1/2030	108.61163	104.0074341	99.62439302	95.45074064	91.47540219	87.68794607	84.07854307	80.63792839	77.35736626
200303A00028	3/3/2020	1.54	3/4/2030	106.84545	102.8285494	98.9983902	95.34513233	91.85950866	88.53279145	85.35675778	82.32365743	79.426183
200304A00010	3/4/2020	1.2	3/4/2027	102.12933	100.6155238	99.13170874	97.67707155	96.250826	94.85221365	93.48050261	92.13498637	90.81498271
200304A00030	3/4/2020	1.6	12/22/2028	106.10635	102.7470457	99.511259	96.39379079	93.38968949	90.49423877	87.70294488	85.01152486	82.41589539
200304A00032	3/4/2020	1.6	12/15/2028	106.07372	102.7338066	99.51610192	96.4154528	93.42695633	90.54594461	87.76797194	85.08880283	82.50440065
200304A00052	3/6/2020	2.11	3/8/2027	103.44055	101.9073179	100.4045255	98.93134387	97.4869706	96.07063175	94.68158068	93.31909683	91.98248457
200304A00054	3/6/2020	2.35	3/8/2027	103.80981	102.2736149	100.76792	99.2918867	97.84471099	96.42561767	95.0338588	93.6687126	92.32948225
200305A00030	3/5/2020	1.58	3/5/2030	108.03105	103.4292094	99.04900452	94.87862256	90.90694038	87.12348234	83.51837914	80.08232943	76.80656422
200305A00032	3/5/2020	1.58	3/5/2030	108.03105	103.4292094	99.04900452	94.87862256	90.90694038	87.12348234	83.51837914	80.08232943	76.80656422
200305A00035	3/5/2020	1.25	3/5/2026	100.56817	100.0534256	99.54394114	99.03963313	98.5404229	98.0462334	97.55698915	97.07261616	96.5930419
200305A00036	3/5/2020	1.36	3/5/2027	102.2715	100.7556692	99.26987194	97.8132895	96.38513398	94.98464538	93.61109028	92.26376076	90.94197323
200305A00037	3/5/2020	1.43	3/6/2028	104.25187	101.7138488	99.25049777	96.85918216	94.5373802	92.28267449	90.09274696	87.96537412	85.89842255
200305A00038	3/5/2020	1.51	3/5/2029	106.15191	102.5875971	99.16175646	95.86827317	92.70133398	89.65541333	86.72525748	83.90586952	81.19249536
200305A00039	3/5/2020	1.58	3/5/2030	108.03105	103.4292094	99.04900452	94.87862256	90.90694038	87.12348234	83.51837914	80.08232943	76.80656422
200306A00001	3/6/2020	1.11	3/6/2026	100.49871	99.98142414	99.4694529	98.96271283	98.461124	97.96460812	97.47308847	96.98648986	96.50473862
200306A00014	3/6/2020	1.38	3/6/2030	107.11549	102.5316814	98.16903056	94.01573233	90.06067631	86.29339937	82.70404449	79.28332246	76.02247615
200306A00022	3/6/2020	1.2	3/8/2027	102.04048	100.518442	99.02665448	97.56428565	96.13053827	94.72464346	93.34585945	91.99347036	90.66678507
200306A00048	3/6/2020	1.04	3/6/2035	104.7352	99.84048021	95.26915443	90.99616972	86.9986257	83.2555778	79.74785607	76.45790185	73.3696206
200306A00050	3/6/2020	0.87	3/6/2030	102.66892	100.3089295	98.03181665	95.83396469	93.7119451	91.66250295	89.6825469	87.76913989	85.91949031
200306A00057	3/6/2020	0.92	3/8/2027	101.74139	100.2135258	98.71678965	97.25029271	95.81317643	94.4046147	93.02381227	91.67000326	90.34244983
200306A00058	3/6/2020	1.06	3/6/2030	102.95841	100.5946211	98.31375951	96.11221133	93.98654888	91.93351792	89.95002759	88.03314114	86.18006713
200306A00064	3/6/2020	1.2	3/8/2027	102.04048	100.518442	99.02665448	97.56428565	96.13053827	94.72464346	93.34585945	91.99347036	90.66678507
200306A00065	3/6/2020	1.38	3/6/2030	107.11549	102.5316814	98.16903056	94.01573233	90.06067631	86.29339937	82.70404449	79.28332246	76.02247615
200306A00066	3/6/2020	1.2	3/8/2027	102.04048	100.518442	99.02665448	97.56428565	96.13053827	94.72464346	93.34585945	91.99347036	90.66678507
200309A00007	3/9/2020	1.11	3/9/2027	101.90636	100.3827188	98.88938829	97.42553673	95.99036399	94.58309846	93.20299573	91.84933748	90.52143024
200309A00021	3/9/2020	1.05	3/9/2026	100.47554	99.95007888	99.43010181	98.91552502	98.40626461	97.9022384	97.40336593	96.90956834	96.42076841

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200309A00030	3/9/2020	1.11	3/9/2027	101.90636	100.3827188	98.88938829	97.42553673	95.990364	94.58309846	93.20299573	91.84933748	90.52143024
200309A00033	3/9/2020	1.06	3/9/2026	100.48082	99.95533714	99.43534422	98.9207517	98.41147567	97.90743397	97.4085461	96.91473324	96.42591814
200309A00034	3/9/2020	0.96	3/9/2035	104.33217	99.45621738	94.9024325	90.64585042	86.66365743	82.93498833	79.44074585	76.16343797	73.08703129
200309A00038	3/9/2020	1.26	3/11/2030	106.57838	101.9933839	97.63029395	93.47723579	89.52303252	85.75716031	82.16970665	78.75133156	75.49323151
200309A00081	3/9/2020	1.18	3/8/2030	105.78518	101.5077468	97.43478065	93.55533952	89.85912446	86.33644238	82.97816686	79.7757018	76.72094763
200309A00082	3/9/2020	1.18	3/8/2030	105.78518	101.5077468	97.43478065	93.55533952	89.85912446	86.33644238	82.97816686	79.7757018	76.72094763
200309A00084	3/9/2020	1.06	3/9/2027	101.90259	100.3382618	98.8059154	97.30463515	95.83353765	94.39177293	92.97852276	91.5929992	90.23444317
200310A00005	3/10/2020	1.41	3/8/2030	107.26004	102.6676002	98.29690288	94.13610044	90.1740443	86.40023606	82.80478609	79.37837492	76.11221744
200310A00015	3/10/2020	1.37	3/11/2030	107.08557	102.4890581	98.11485352	93.95106353	89.98649487	86.21060812	82.61347594	79.1857443	75.91859628
200310A00034	3/10/2020	1.41	3/11/2030	107.27	102.6693033	98.291057	94.12336452	90.15502663	86.37549823	82.7748466	79.34371258	76.07327438
200310A00038	3/10/2020	1.41	3/11/2030	107.27	102.6693033	98.291057	94.12336452	90.15502663	86.37549823	82.7748466	79.34371258	76.07327438
200310A00040	3/10/2020	1.36	3/10/2028	104.09038	101.5436896	99.07215589	96.67312147	94.34403927	92.08246814	89.88606767	87.75259333	85.67989192
200310A00041	3/10/2020	1.39	3/12/2029	105.75231	102.1762738	98.7398103	95.43672445	92.26113187	89.20744093	86.27033642	83.44476426	80.72591717
200310A00042	3/10/2020	1.41	3/11/2030	107.27	102.6693033	98.291057	94.12336452	90.15502663	86.37549823	82.7748466	79.34371258	76.07327438
200310A00051	3/10/2020	1.41	3/8/2030	107.26004	102.6676002	98.29690288	94.13610044	90.1740443	86.40023606	82.80478609	79.37837492	76.11221744
200310A00073	3/12/2020	2.12	3/11/2027	103.47743	101.9357995	100.4248651	98.94378445	97.49174463	96.06796181	94.67167997	93.30216965	91.95872673
200311A00015	3/11/2020	1.26	3/11/2027	102.2308	100.6574249	99.11628778	97.60645973	96.12704783	94.67719301	93.25606845	91.86287802	90.49685487
200311A00026	3/11/2020	1.34	3/11/2030	106.32725	102.132394	98.13649424	94.32893207	90.69971907	87.23945361	83.93928289	80.79086778	77.78635006
200311A00031	3/11/2020	1.41	12/24/2027	103.8575	101.5257072	99.25753984	97.05089716	94.90375719	92.81417732	90.78029068	88.80030264	86.87248756
200311A00050	3/2/2021	1.46	3/2/2026	100.6652	100.1584254	99.65673728	99.16005965	98.66831775	98.18143831	97.69934952	97.22198096	96.74926359
200311A00055	3/11/2020	1.66	12/17/2027	104.40827	102.0887684	99.83209462	97.63615334	95.4989332	93.41850379	91.39301182	89.42067739	87.49979048
200312A00009	3/12/2020	1.46	3/12/2027	102.46181	100.9256532	99.420137	97.94441355	96.49767031	95.07912389	93.68801873	92.32362583	90.98524161
200316A00008	3/16/2020	1.31	3/15/2030	103.46461	101.1522884	98.91958842	96.7630936	94.67955888	92.66590137	90.71919118	88.83664269	87.01560648
200316A00050	3/16/2020	1.54	3/16/2027	102.60798	101.0598942	99.54279808	98.05583354	96.59817365	95.16902141	93.76760832	92.39319313	91.04506058
200317A00009	3/17/2020	1.61	3/16/2035	107.27483	102.270032	97.59552374	93.22574135	89.13731611	85.30887343	81.72084829	78.35531879	75.19585624
200317A00043	3/17/2020	1.29	3/15/2030	103.68489	101.3010094	99.00087327	96.78082645	94.63740298	92.56731257	90.56743039	88.63478763	86.76656259
200318A00012	3/18/2020	1.68	3/18/2033	108.16325	103.1144088	98.38414088	93.94922973	89.78832343	85.88177126	82.2114773	78.7607675	75.51426894
200319A00035	3/19/2020	1.72	3/18/2033	108.36733	103.3085959	98.56904222	94.12541209	89.95631328	86.0420579	82.36451579	78.90698131	75.65405239
200323A00090	3/23/2020	1.55	3/23/2027	101.67656	100.636703	99.61661114	98.61572659	97.6335097	96.66944143	95.72302231	94.79377151	93.88122592
200326A00029	3/26/2020	1.82	3/26/2027	103.10831	101.529207	99.98200556	98.4658131	96.97976579	95.52303162	94.09480887	92.69432473	91.32083402
200326A00032	3/26/2020	1.49	3/26/2030	104.00052	101.6118283	99.30699104	97.08235012	94.9344369	92.85995842	90.85578727	88.91895208	87.04662865
200326A00037	3/26/2020	1.78	3/26/2035	107.97005	103.0634915	98.47669942	94.18510752	90.16625116	86.39957299	82.86624691	79.54901956	76.43206724
200327A00037	3/27/2020	1.18	3/27/2026	100.6387	100.062709	99.493296	98.93034396	98.37374341	97.82338732	97.27917105	96.74099228	96.20875096

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200327A00043	3/27/2020	1.48	3/27/2028	104.66303	102.0590547	99.53291893	97.08182656	94.70310108	92.39417938	90.15260612	87.97602842	85.86219086
200327A00045	3/27/2020	2.24	3/27/2034	116.31822	107.4536455	99.33689729	91.90089455	85.08489773	78.83388055	73.09796572	67.8319191	62.99469581
200327A00094	3/27/2020	1.6	3/27/2030	107.15634	103.0848676	99.20466426	95.50553926	91.97790417	88.61273534	85.40153731	82.33630868	79.40951045
200330A00038	3/30/2020	1.79	3/29/2030	109.10104	104.4101061	99.94736047	95.70050878	91.65798581	87.80890756	84.14302738	80.65069511	77.32281914
200330A00045	3/30/2020	1.47	3/30/2027	102.57371	100.9882524	99.43496301	97.91293245	96.42128485	94.95917677	93.52579573	92.12035871	90.74211089
200330A00047	3/30/2020	1.5	3/30/2035	106.71297	101.7341108	97.08386546	92.73679315	88.66964113	84.86114126	81.29182621	77.94386387	74.80090805
200330A00054	3/30/2021	1.19	3/30/2026	100.61342	100.0297622	99.45284612	98.88255701	98.31878128	97.76140794	97.2103285	96.66543693	96.12662953
200330A00058	3/30/2020	1.49	3/29/2030	106.707	102.6458933	98.77579425	95.08651682	91.56847569	88.21265089	85.01055098	81.95417889	79.03600023
200330A00079	3/30/2020	1.51	3/30/2035	106.76397	101.7827277	97.13026007	92.78111037	88.71201473	84.90169485	81.33067409	77.98111182	74.83665404
200331A00016	3/31/2020	1.11	3/31/2026	100.61033	100.0234219	99.44332948	98.86993611	98.30312641	97.74278761	97.1888095	96.64108436	96.09950688
200331A00056	3/31/2020	0.96	3/29/2030	102.81484	100.5079383	98.28067466	96.12962256	94.05152959	92.04330627	90.10201677	88.22487016	86.40921221
200402A00044	4/2/2020	1.65	4/2/2030	108.46477	103.7774897	99.31886609	95.07655114	91.03892978	87.19507277	83.5346924	80.04810122	76.72617381
200406A00014	4/6/2020	1.33	4/6/2035	106.22204	101.2168708	96.54492855	92.18020413	88.09894667	84.27944758	80.70185005	77.34797758	74.20117947
200406A00027	4/6/2020	1.31	4/5/2030	106.27425	102.2056296	98.32921902	94.6347215	91.1124543	87.75330819	84.54871	81.49058776	78.57133842
200406A00029	4/6/2020	1.61	4/5/2030	107.76361	103.3597502	99.16890183	95.17951278	91.38072712	87.76233669	84.31473848	81.02889523	77.89629868
200406A00030	4/6/2020	1.61	4/5/2030	107.76361	103.3597502	99.16890183	95.17951278	91.38072712	87.76233669	84.31473848	81.02889523	77.89629868
200413A00009	4/13/2020	0.77	4/13/2027	100.74463	99.86705324	99.00538666	98.15918615	97.3280258	96.51149578	95.70920151	94.92076299	94.14581406
200413A00013	4/13/2020	1.19	4/12/2030	103.33004	100.9156251	98.58718818	96.34093334	94.17326218	92.08076052	90.06018762	88.10846619	86.22267299
200414A00024	4/14/2020	1.37	4/14/2027	102.57442	100.9120925	99.28511784	97.69243098	96.13300763	94.60586459	93.11005768	91.64467974	90.2088588
200415A00021	4/15/2020	1.37	4/15/2027	102.50148	100.8723101	99.27679584	97.71396514	96.18287926	94.68263536	93.2123647	91.77123107	90.35842919
200415A00023	4/15/2020	1.71	4/15/2030	108.80132	104.0701288	99.57115597	95.29177781	91.22012793	87.34504574	83.65603031	80.1431977	76.79724122
200415A00024	4/15/2020	2.2	4/16/2035	115.88498	106.0833826	97.19776485	89.13754617	81.82153751	75.17692723	69.13837773	63.64722375	58.65076027
200415A00038	4/15/2020	1.37	4/15/2027	102.50148	100.8723101	99.27679584	97.71396514	96.18287926	94.68263536	93.2123647	91.77123107	90.35842919
200417A00009	4/17/2020	1.35	4/16/2027	102.47405	100.8423383	99.24437355	97.67917965	96.14581393	94.64336983	93.17097514	91.72779032	90.31300696
200421A00026	4/21/2020	1.34	4/19/2030	106.13402	102.0497881	98.15955299	94.45286529	90.91989943	87.55141561	84.3387212	81.27363495	78.34845374
200421A00032	4/21/2020	1.31	4/21/2027	102.4349	100.7896423	99.17861033	97.60080224	96.05525529	94.54104392	93.05727793	91.60310077	90.17768794
200423A00017	4/23/2020	1.82	4/23/2035	112.90429	103.1878138	94.38641885	86.40914162	79.17449163	72.60942197	66.64841558	61.23267452	56.30940026
200424A00022	4/24/2020	1.39	4/24/2030	106.35267	102.2521064	98.34673186	94.62600879	91.08003017	87.69948108	84.4755996	81.40014054	78.46534174
200427A00018	4/27/2020	1.51	4/27/2028	104.70955	102.0230209	99.4187206	96.89361512	94.44480287	92.06950949	89.76508119	87.52897859	85.35877087
200428A00002	4/28/2020	1.47	4/26/2030	108.0527	103.2977411	98.77799617	94.48058646	90.39341254	86.50509989	82.80495122	79.28290225	75.92948067
200428A00009	4/28/2020	1.08	4/29/2030	103.06012	100.651281	98.32825909	96.08726715	93.92471119	91.83718132	89.82144103	87.87441716	85.99319052
200428A00018	4/28/2020	1.33	4/27/2035	105.77753	100.9011093	96.3458802	92.08694421	88.10154913	84.36889013	80.86992866	77.58722949	74.50481384
200429A00030	4/29/2020	1.41	4/29/2030	106.75092	102.4388507	98.33596029	94.43082544	90.71271431	87.17154185	83.79782674	80.58265155	77.51762569

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200429A00049	4/29/2020	1.25	4/29/2026	100.70889	100.0429142	99.3857099	98.73710076	98.09691916	97.46500183	96.8411897	96.22532774	95.61726486
200429A00057	4/29/2020	1.4	4/29/2027	102.54457	100.8776286	99.24565082	97.64760328	96.082492	94.54936191	93.04729488	91.57540797	90.13285167
200429A00061	4/29/2020	1.66	10/29/2029	107.6126	103.3777216	99.33234901	95.4669726	91.77261812	88.24081034	84.86354214	81.63324583	78.54276636
200430A00009	4/30/2020	1.16	4/30/2026	100.68483	100.0157802	99.35557367	98.70404078	98.06101169	97.42632092	96.79980728	96.1813137	95.57068712
200430A00027	4/30/2020	1.31	4/30/2035	105.7608	100.7856929	96.14146612	91.80231415	87.74467039	83.94699338	80.38957797	77.05438541	73.92489022
200501A00002	5/1/2020	1.3	5/1/2035	105.72282	100.7095159	96.03207281	91.6641253	87.58160254	83.76251539	80.1867611	76.83594773	73.69323597
200504A00007	5/4/2020	1.47	5/4/2028	104.634	101.929397	99.30805589	96.76688459	94.30292724	91.9133586	89.59547712	87.34669861	85.16455012
200506A00010	5/6/2020	0.94	5/6/2026	100.59978	99.91396899	99.23746854	98.57009212	97.91165608	97.26198169	96.62089495	95.98822645	95.36381121
200511A00006	5/11/2020	1.65	5/13/2030	108.62865	103.8248635	99.26024429	94.92160871	90.79657125	86.87349462	83.14144001	79.59012106	76.20986111
200511A00018	5/11/2020	0.98	2/2/2026	100.34634	99.91758696	99.49248791	99.07099428	98.65306038	98.23864128	97.82769283	97.42017159	97.01603486
200511A00019	5/11/2020	1.18	2/1/2027	101.83129	100.4122807	99.01986009	97.65334602	96.31208002	94.99542542	93.70276646	92.43350744	91.18707193
200511A00020	5/11/2020	1.4	2/1/2028	104.00742	101.5690444	99.19992903	96.89772682	94.66018021	92.48512128	90.37046764	88.3142185	86.31445094
200511A00021	5/11/2020	1.53	2/1/2029	106.0529	102.5841393	99.24683709	96.03533167	92.94423631	89.96842365	87.1030118	84.34335121	81.68501235
200511A00022	5/11/2020	1.6	2/1/2030	107.97224	103.4653867	99.17142568	95.07922518	91.17829638	87.45874852	83.91125174	80.52700237	77.29769066
200511A00023	5/11/2020	1.7	2/3/2031	109.71383	104.1629131	98.92557915	93.98254225	89.31580029	84.90854025	80.74505376	76.81065917	73.09162948
200512A00001	5/12/2020	1.17	5/12/2027	102.36667	100.6330889	98.9376721	97.27928076	95.65682204	94.06924525	92.51553975	90.99473305	89.505889
200512A00010	5/12/2020	1.48	5/10/2030	107.28266	102.8123553	98.56214784	94.51992991	90.67432613	87.01464759	83.53084636	80.21347337	77.05363929
200512A00011	5/12/2020	1.48	5/10/2030	107.28266	102.8123553	98.56214784	94.51992991	90.67432613	87.01464759	83.53084636	80.21347337	77.05363929
200512A00013	5/12/2020	1.17	5/12/2027	102.36667	100.6330889	98.9376721	97.27928076	95.65682204	94.06924525	92.51553975	90.99473305	89.505889
200512A00014	5/12/2020	1.17	5/12/2027	102.36667	100.6330889	98.9376721	97.27928076	95.65682204	94.06924525	92.51553975	90.99473305	89.505889
200514A00008	5/14/2020	1.23	5/14/2030	105.72878	101.6046123	97.6788404	93.94068275	90.3800072	86.98728743	83.75356313	80.67040315	77.72987121
200520A00009	5/20/2020	1.63	5/20/2038	109.18507	99.53016986	90.93629612	83.27627889	76.43905582	70.32754325	64.85679813	59.95243088	55.54923365
200521A00005	5/21/2020	0.75	5/21/2030	102.44668	100.0221809	97.68517073	95.43173985	93.25818242	91.16098461	89.13681325	87.18250527	85.29505784
200521A00013	5/21/2020	2.09	5/21/2035	114.85421	105.0135247	96.10181185	88.02635137	80.7041257	74.06076034	68.02958339	62.55079189	57.57071215
200521A00015	5/21/2020	2.14	5/21/2036	115.59495	104.8149761	95.14398116	86.46171783	78.66155792	71.648887	65.33969538	59.65934077	54.54146097
200521A00016	5/21/2020	2.18	5/21/2037	115.96039	104.2843217	93.90719215	84.67706672	76.46051711	69.14028083	62.61322909	56.78859919	51.5864558
200521A00017	5/21/2020	2.22	5/21/2038	116.35758	103.8083567	92.7583425	83.01956029	74.42850866	66.84286788	60.13866044	54.20780467	48.95600526
200522A00009	5/22/2020	0.96	5/22/2030	102.89934	100.3713751	97.93800644	95.59483692	93.33770952	91.16269209	89.06606342	87.04430023	85.09406519
200527A00012	5/27/2020	1.2	5/27/2027	102.33638	100.596243	98.89384662	97.22802687	95.59767022	94.00170877	92.43911791	90.90891403	89.41015246
200527A00013	5/27/2020	1.13	11/25/2026	101.41639	100.1690947	98.95224856	97.76474651	96.60553812	95.47362258	94.36804574	93.28789746	92.23230909
200527A00014	5/27/2020	1.06	5/27/2026	100.65626	99.91371692	99.18207571	98.46109869	97.75055415	97.05021705	96.35986877	95.67929691	95.00829503
200527A00015	5/27/2020	0.99	11/26/2025	100.15433	99.91365078	99.6741341	99.43576758	99.19854295	98.96245201	98.72748667	98.49363887	98.26090068
200529A00022	6/1/2020	0.98	6/1/2026	100.64668	99.88997275	99.14457813	98.41024746	97.68673605	96.97380642	96.27122795	95.57877669	94.89623513

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200604A00012	6/4/2020	1.59	6/4/2030	108.41869	103.560519	98.946973	94.56442991	90.40010346	86.44198643	82.67879866	79.09993866	75.69543885
200604A00013	6/4/2020	2.21	6/4/2035	116.04506	106.1131273	97.12046615	88.97310755	81.58693799	74.88662244	68.80464693	63.28047013	58.25977078
200604A00014	6/4/2020	2.42	6/4/2040	120.17965	105.7007308	93.17925303	82.33750112	72.93856359	64.78015052	57.68937776	51.51835922	46.14047875
200608A00001	6/8/2020	1.34	6/7/2030	106.24349	102.0549372	98.07007847	94.27777813	90.667566	87.22959772	83.95461403	80.83390302	77.85926496
200610A00006	6/10/2020	1.11	6/10/2027	102.38091	100.5756325	98.81150658	97.08734942	95.40202104	93.75442131	92.14348828	90.56819657	89.0275559
200611A00010	6/11/2020	1.08	6/11/2027	102.28201	100.499672	98.75673439	97.05202232	95.38440258	93.75278585	92.15612467	90.59341129	89.06367587
200611A00011	6/11/2020	1.2	6/9/2028	104.03499	101.2413374	98.53633843	95.91663522	93.37902189	90.92043554	88.53794866	86.22876214	83.99019861
200611A00019	6/11/2020	0.88	12/11/2025	100.15919	99.87714211	99.59669399	99.3178294	99.04053487	98.76479708	98.49060288	98.21793924	97.94679331
200612A00004	6/12/2020	1.42	6/12/2040	106.55458	98.70551362	91.63673917	85.25900233	79.49419575	74.2738735	69.53797523	65.23372794	61.31469923
200616A00005	6/16/2020	0.74	6/17/2030	102.47625	99.99587849	97.60651307	95.304029	93.08452122	90.94428927	88.87982515	86.88780198	84.9650633
200623A00028	6/23/2020	1.23	6/23/2038	105.78723	99.28234158	93.3333909	87.88535005	82.88917416	78.30110264	74.08204796	70.19705935	66.61485167
200629A00020	6/29/2020	1.4	6/28/2030	107.31983	102.4298958	97.78940149	93.38440258	89.20179844	85.22928103	81.45528298	77.86892947	74.45999334
200629A00021	6/29/2020	1.21	6/29/2028	103.99708	101.1519808	98.3986365	95.73361315	93.15362472	90.65552512	88.23630158	85.89306817	83.6230598
200629A00023	6/29/2020	0.95	6/29/2026	100.65768	99.82471186	99.00544449	98.19954411	97.40668602	96.62655595	95.85884966	95.10327251	94.35953913
200708A00011	7/10/2020	2.87	7/10/2031	117.04742	110.8543741	105.0321187	99.55652843	94.40516401	89.55714782	84.993048	80.69477133	76.64546475
200709A00003	7/10/2020	1.63	7/10/2026	101.32172	100.4548967	99.602848	98.7652012	97.94159349	97.13167412	96.33510397	95.55155502	94.78070994
200709A00005	7/10/2020	2.23	7/10/2030	111.71123	106.6745612	101.8950987	97.35841355	93.05095538	88.95999667	85.07357873	81.38046146	77.87007671
200709A00006	7/10/2020	2.58	7/10/2030	113.4435	108.3647175	103.5446962	98.96893237	94.62380893	90.49653514	86.57509236	82.84818368	79.30518702
200709A00007	7/10/2020	1.67	7/9/2027	103.51776	101.6469111	99.8188705	98.03241401	96.28635655	94.57955433	92.91090315	91.27933668	89.683825
200709A00008	7/10/2020	1.88	7/10/2026	101.53891	100.6710625	99.81800012	98.97935166	98.15475404	97.34385628	96.54631903	95.76181406	94.99002382
200709A00025	7/9/2020	1.37	7/9/2030	106.68335	102.1021853	97.75333096	93.62369963	89.70101315	85.97374535	82.43107207	79.06282482	75.85944771
200716A00004	7/16/2020	0.97	7/16/2027	102.25489	100.3593496	98.50911163	96.70281212	94.93913643	93.21681828	91.53463766	89.89141879	88.28602816
200720A00035	7/20/2020	1.81	7/20/2035	112.12618	102.2678025	93.35782008	85.30007891	78.00861865	71.40654522	65.42503461	60.00245042	55.0835617
200720A00042	7/22/2020	2.04	7/21/2026	101.74303	100.8439026	99.960618	99.09276416	98.23993931	97.4017555	96.57783805	95.76782496	94.97136639
200720A00044	7/22/2020	2.22	7/21/2026	101.90491	101.0049866	100.1209226	99.25229894	98.39871357	97.55977838	96.7351185	95.92437176	95.12718815
200724A00011	7/24/2020	1.41	7/26/2038	106.92841	97.20164634	88.56591265	80.8881845	74.05254378	67.95788724	62.51595111	57.64960878	53.29140268
200730A00011	7/30/2020	1.15	7/28/2028	103.91858	100.9973306	98.17271084	95.44101412	92.79869879	90.24237775	87.76881086	85.37489768	83.05767067
200813A00019	8/13/2020	1.44	8/13/2030	107.0863	102.4124349	97.97945692	93.77357498	89.7818594	85.99218632	82.39318313	78.9741779	75.7251525
200813A00020	8/13/2020	1.44	8/13/2030	107.0863	102.4124349	97.97945692	93.77357498	89.7818594	85.99218632	82.39318313	78.9741779	75.7251525
200813A00023	8/13/2020	0.86	10/14/2025	100.10156	99.8945702	99.68844497	99.48318319	99.2787794	99.07522816	98.87252408	98.67066182	98.46963607
200814A00003	8/14/2020	0.96	8/14/2035	104.33508	99.25818097	94.52954017	90.12119629	86.00768171	82.16577781	78.5742998	75.21390362	72.06691239
200814A00009	8/18/2020	1.36	8/16/2028	104.76341	101.7752121	98.88746099	96.09624364	93.39781746	90.78860636	88.26519228	85.82430726	83.462826
200814A00011	8/18/2020	1.58	8/16/2030	108.60553	103.5455854	98.75013136	94.20401169	89.89301325	85.8038041	81.92387442	78.24148167	74.74559971

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
200818A00004	8/18/2020	0.92	8/18/2026	100.82221	99.85070315	98.89780557	97.96298534	97.04573205	96.14555438	95.26197917	94.39455059	93.54282937
200818A00005	8/18/2020	1.05	8/18/2027	102.51147	100.5433729	98.62277605	96.74823934	94.91837849	93.13186028	91.3874003	89.68376083	88.01974876
200818A00006	8/18/2020	1.18	8/18/2028	104.22848	101.2429958	98.35810933	95.56989336	92.87459229	90.2686179	87.74854087	85.31108279	82.95310863
200818A00007	8/18/2020	1.31	8/20/2029	106.08659	102.0675185	98.22193086	94.54144841	91.01814189	87.64450447	84.41342691	81.31817443	78.35236493
200818A00008	8/18/2020	1.5	8/18/2031	108.91028	102.8520896	97.16682644	91.82968058	86.81761137	82.10921475	77.68459901	73.52527065	69.61402937
200818A00009	8/18/2020	1.7	8/18/2033	110.90836	102.8672808	95.46531632	88.6484496	82.367483	76.57758655	71.23789007	66.31111531	61.76324387
200818A00010	8/18/2020	1.88	8/20/2035	112.82922	102.8620333	93.8601555	85.72501041	78.36855129	71.7120865	65.68524369	60.22505321	55.27513658
200818A00012	8/18/2020	0.97	8/18/2027	102.37367	100.3930191	98.46134098	96.57710022	94.73882034	92.9450818	91.19451937	89.4858196	87.81771845
200825A00007	8/27/2020	4.79	8/27/2026	104.72907	103.7118053	102.7143757	101.7362087	100.7767494	99.83546382	98.9118384	98.00537867	97.11560849
200826A00019	8/26/2020	0.98	8/26/2026	100.85852	99.86556724	98.89203571	97.93736301	97.00100575	96.08244121	95.1811664	94.29669712	93.42856708
200828A00002	8/28/2020	0.73	8/28/2026	100.73339	99.73388867	98.75407881	97.79337921	96.8512357	95.92711533	95.02050538	94.1309124	93.25786132
200909A00001	9/9/2020	0.98	9/8/2028	103.90643	100.8637941	97.92554638	95.08753038	92.34577997	89.69650948	87.13610434	84.6611122	82.26823472
200910A00006	9/10/2020	0.96	9/10/2027	102.43087	100.3937859	98.40804268	96.47199426	94.58405613	92.74270682	90.94648483	89.19398577	87.48385965
200911A00011	9/11/2020	1.18	9/11/2030	106.13419	101.4247203	96.96128555	92.7296103	88.71632727	84.90891378	81.29563373	77.86548381	74.60814376
200911A00012	9/11/2020	1.18	9/11/2030	106.13419	101.4247203	96.96128555	92.7296103	88.71632727	84.90891378	81.29563373	77.86548381	74.60814376
200911A00013	9/11/2020	0.69	9/11/2025	100.0345	99.92117707	99.80812959	99.69535315	99.58284672	99.47060929	99.35863986	99.24693742	99.13550098
200916A00015	9/16/2020	0.72	9/16/2025	100.01324	99.96888401	99.92458525	99.88034224	99.83615486	99.79202299	99.74794655	99.7039254	99.65995946
200922A00015	9/24/2020	1.09	9/24/2025	100.04419	99.97765137	99.91121054	99.844868	99.77862355	99.71247696	99.64642802	99.58047651	99.51462222
200922A00027	9/24/2020	1.65	9/23/2025	100.07834	100.0145386	99.95083202	99.88721796	99.82369619	99.76026651	99.69692872	99.63368262	99.57052801
200922A00034	9/24/2020	2.24	9/23/2026	102.37539	101.2958913	100.2390922	99.20427826	98.19076884	97.19791111	96.22507869	95.27167031	94.33710855
200922A00036	9/24/2020	1.55	9/23/2025	100.07192	100.0081271	99.94442603	99.88081744	99.81730113	99.7538769	99.69054456	99.62730389	99.56415471
200922A00037	9/24/2020	2.76	9/23/2025	100.14957	100.0857059	100.0219386	99.95826378	99.89468138	99.83119116	99.76779292	99.70448645	99.64127155
200922A00039	9/24/2020	3	9/23/2025	100.16497	100.1010935	100.037313	99.97362504	99.91002953	99.84652622	99.7831149	99.71979538	99.65656746
200925A00002	9/25/2020	0.74	9/25/2025	100.0216	99.952313	99.88312835	99.81404796	99.74507161	99.67619906	99.60743008	99.53876445	99.47020192
200925A00008	9/25/2020	0.74	9/25/2025	100.0216	99.952313	99.88312834	99.81404796	99.74507161	99.67619906	99.60743008	99.53876445	99.47020192
200928A00003	9/28/2020	0.55	9/26/2025	100.01372	99.94161716	99.8696277	99.79774926	99.72598156	99.65432437	99.58277741	99.51134044	99.44001321
200928A00009	9/28/2020	1.51	9/28/2032	109.2848	102.142197	95.51142848	89.35325556	83.63164151	78.31347116	73.36829995	68.76812572	64.48718114
201001A00012	10/1/2020	0.74	9/16/2025	100.01414	99.96978322	99.9254837	99.88123993	99.83705178	99.79291916	99.74884195	99.70482005	99.66085335
201007A00008	10/7/2020	1.22	10/7/2030	106.19913	101.5550106	97.15394459	92.98173446	89.02509623	85.27159327	81.70957727	78.32813376	75.11703162
201007A00010	10/7/2020	1.22	10/7/2030	106.19913	101.5550106	97.15394459	92.98173446	89.02509623	85.27159327	81.70957727	78.32813376	75.11703162
201007A00014	10/7/2020	0.8	10/7/2025	100.07798	99.8903222	99.70337412	99.51713435	99.33159882	99.14676351	98.96262443	98.7791776	98.59641908
201015A00003	10/15/2020	0.75	10/15/2025	100.04609	99.92146368	99.79715914	99.67318	99.54952493	99.42619262	99.30318177	99.18049107	99.05811923
201015A00020	10/15/2020	0.94	10/15/2027	102.50835	100.3800014	98.30712804	96.28786983	94.32044911	92.40316259	90.5343774	88.71252758	86.93611066

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
201015A00024	10/19/2020	1.53	10/18/2027	103.79545	101.6471933	99.55386589	97.51368087	95.52492403	93.5859502	91.69517987	89.85109601	88.05224103
201015A00025	10/19/2020	1.54	10/18/2027	103.81708	101.6685858	99.57502498	97.53461125	95.54563028	93.60643675	91.71545104	89.871156	88.0720939
201015A00030	10/19/2020	2.39	10/18/2027	105.6557	103.4869491	101.3735478	99.31369389	97.30566129	95.34779365	93.43850062	91.57625477	89.75958846
201015A00032	10/19/2020	2.33	10/19/2026	102.68281	101.5291621	100.4013621	99.29855031	98.21990294	97.16463219	96.13198417	95.12123709	94.1316996
201019A00005	10/19/2020	0.79	10/20/2025	100.05816	99.91969137	99.78162011	99.64394474	99.50666352	99.36977474	99.23327666	99.09716759	98.96144583
201021A00011	10/21/2020	1.11	10/21/2027	102.8988	100.7523735	98.66103319	96.62297922	94.6364864	92.69989936	90.81162911	88.97014975	87.17399541
201021A00012	10/21/2020	1.85	10/19/2035	112.54725	102.4462136	93.33789101	85.11947126	77.6992803	70.99552002	64.93515941	59.45295514	54.49058603
201022A00012	10/26/2020	2.25	10/24/2030	112.32463	106.9819582	101.9261466	97.14027151	92.60849698	88.31600096	84.24890454	80.39420679	76.7397244
201028A00003	10/30/2020	1.42	2/27/2026	100.6336	100.1351751	99.64167301	99.15301812	98.66913932	98.18996692	97.71543259	97.24546928	96.78001126
201028A00005	10/30/2020	1.85	10/31/2025	100.25323	100.0841018	99.91554092	99.74754485	99.5801108	99.41323599	99.24691764	99.081153	98.91593933
201028A00011	10/28/2020	0.91	4/28/2026	100.47945	99.81707543	99.16339291	98.51822974	97.88142037	97.2528035	96.63222198	96.01952263	95.41455616
201029A00002	10/29/2020	0.59	10/29/2025	100.04938	99.88592024	99.72299707	99.56060777	99.39874972	99.23742031	99.07661695	98.91633707	98.75657813
201029A00004	10/29/2020	1.49	10/29/2038	107.68289	97.7598588	88.96661211	81.16325919	74.22818306	68.05555273	62.55318481	57.64070564	53.24797025
201030A00001	11/2/2020	2.54	10/29/2040	122.51864	107.5466526	94.63937638	83.49766567	73.86725767	65.53183176	58.30717508	52.0362702	46.58515528
201030A00002	11/2/2020	2.8	10/29/2040	126.34223	111.0967133	97.94292772	86.57865741	76.74694555	68.22910944	60.83886236	54.41736358	48.82904613
201030A00003	11/2/2020	2.58	10/29/2040	123.10688	108.0928158	95.14761505	83.9716644	74.31028658	65.94679756	58.69666543	52.40259226	46.93036925
201030A00004	11/2/2020	2.56	10/29/2040	122.81276	107.8197342	94.89349571	83.73466504	74.08877213	65.73931466	58.50192026	52.21943123	46.75776226
201030A00005	11/2/2020	2.49	10/29/2040	121.78333	106.8639487	94.00407804	82.90516727	73.31347155	65.01312451	57.82031214	51.57836763	46.1536378
201030A00012	10/30/2020	0.63	10/30/2025	100.05709	99.89085418	99.72517102	99.56003768	99.39545144	99.2314096	99.06790945	98.90494833	98.74252358
201030A00016	10/30/2020	1.14	10/8/2027	102.91155	100.7998423	98.74169032	96.73536669	94.77921737	92.87165402	91.01115083	89.19624154	87.42551658
201030A00017	10/30/2020	1.14	10/15/2027	102.93976	100.8089734	98.73257082	96.70878652	94.73592811	92.81237112	90.93655567	89.10698334	87.3222142
201030A00018	10/30/2020	1.15	10/22/2027	102.98972	100.8396022	98.74471346	96.70324422	94.71346323	92.77370936	90.88238814	89.03796853	87.2389798
201030A00019	10/30/2020	1.15	10/29/2027	103.01813	100.8489165	98.73577323	96.67685271	94.67038443	92.71467031	90.80808104	88.94905272	87.1360836
201103A00005	11/3/2020	0.89	11/4/2030	102.88122	100.1875919	97.59968855	95.11242763	92.7210118	90.42090814	88.20783178	86.07773058	84.02677089
201105A00003	11/6/2020	2.24	11/4/2030	112.32211	106.9492858	101.8663868	97.05622018	92.50270724	88.19080396	84.10642868	80.23639513	76.56835057
201105A00016	11/9/2020	2.18	11/8/2027	105.34882	103.1257703	100.9606109	98.8514122	96.79632832	94.79358974	92.8414996	90.93843004	89.08281869
201109A00012	11/9/2020	1.39	11/8/2030	107.00363	102.138099	97.53300086	93.17287733	89.0432708	85.13065763	81.42238249	77.90659779	74.57220751
201110A00003	11/10/2020	1.12	11/10/2027	102.99256	100.7935291	98.65319901	96.56959693	94.54083472	92.56510204	90.64066247	88.76584981	86.93906464
201116A00024	11/18/2020	2.36	11/15/2034	117.15984	107.6890492	99.06729961	91.2138071	84.05587584	77.52804602	71.57133907	66.13258512	61.16382357
201116A00025	11/18/2020	1.96	11/15/2032	112.60677	105.2216981	98.37182682	92.01558562	86.11484066	80.63459478	75.54271354	70.80967681	66.40835301
201118A00009	11/18/2020	0.61	11/18/2025	100.07999	99.86122805	99.64343249	99.42659981	99.21072354	98.9957973	98.78181475	98.56876961	98.35665565
201119A00021	11/23/2020	2.22	11/21/2030	112.29376	106.8741481	101.7493287	96.90168304	92.31474053	87.97309963	83.86235239	79.96901466	76.28046165
201119A00023	11/23/2020	2.23	11/21/2030	112.347	106.9259959	101.7998423	96.95091431	92.36273864	88.01991151	83.90802277	80.01358622	76.32397506

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
201123A00010	11/25/2020	1.48	11/24/2025	100.27737	100.0418951	99.80753245	99.57427392	99.34211172	99.11103811	98.88104542	98.65212607	98.42427251
201123A00011	11/25/2020	1.41	11/24/2025	100.26085	100.0254024	99.79106561	99.55783287	99.32569637	99.09464837	98.8646812	98.63578727	98.40795904
201203A00005	12/3/2020	0.78	12/3/2026	101.15738	99.88902854	98.65111447	97.44255098	96.2623005	95.10937396	93.98282799	92.88176229	91.8053172
201204A00015	12/8/2020	1.07	12/8/2025	100.21837	99.94434036	99.67181773	99.40078868	99.13124088	98.86316216	98.59654043	98.33136378	98.06762041
201207A00009	12/7/2020	1.01	12/7/2027	102.83462	100.5693831	98.36628459	96.2232738	94.13838173	92.10971538	90.13545435	88.21384763	86.3432105
201207A00021	12/7/2020	1.85	12/7/2050	113.48154	100.4949189	89.51964709	80.2009441	72.25161865	65.4384882	59.57163784	54.49590766	50.08413035
201208A00029	12/10/2020	1.52	12/9/2025	100.34616	100.0691411	99.79366458	99.51971344	99.24727496	98.97633654	98.70688573	98.43891024	98.17239789
201210A00021	12/10/2020	0.89	12/10/2027	102.75457	100.4700112	98.24708567	96.0837174	93.97791427	91.92776649	89.93144246	87.98718491	86.09330717
201211A00001	12/11/2020	0.95	12/11/2030	105.06461	100.5411272	96.25713835	92.19847488	88.35187942	84.7049467	81.2460643	77.96435797	74.84964087
201215A00001	12/15/2020	0.76	12/15/2025	100.14717	99.85395654	99.56247378	99.27270317	98.98462956	98.69823796	98.41351358	98.13044179	97.84900813
201216A00004	12/16/2020	0.74	9/8/2025	100.00751	99.98532302	99.96316377	99.94102751	99.91891418	99.89682376	99.8747562	99.85271146	99.83068951
201216A00013	12/16/2020	0.59	12/16/2025	100.11916	99.82301146	99.52863133	99.235999	98.94509882	98.65591533	98.36843324	98.08263746	97.79851308
201218A00014	12/18/2020	0.57	12/18/2025	100.11654	99.81487637	99.51504629	99.21702831	98.92080591	98.62636279	98.33368285	98.04275017	97.75354904
201221A00014	12/21/2020	0.76	12/19/2025	100.15517	99.85090769	99.54850761	99.24794816	98.94921248	98.65228392	98.35714603	98.06378255	97.77217744
201221A00015	12/21/2020	0.88	12/4/2026	101.19952	99.93007969	98.69078171	97.48055599	96.29838411	95.1432949	94.01436168	92.91069977	91.83146413
201221A00022	12/21/2020	0.51	12/19/2025	100.14834	99.76209361	99.37884468	98.99856132	98.62120904	98.24675385	97.8751623	97.50640146	97.14043889
201223A00012	12/23/2020	0.91	12/18/2026	101.28777	99.98694814	98.71282955	97.46460548	96.24149552	95.04275084	93.86765261	92.71551048	91.58566112
201223A00013	12/23/2020	0.9	12/11/2026	101.24984	99.96466512	98.70791706	97.47864954	96.2759621	95.09899368	93.94692045	92.81895383	91.71433858
201228A00013	12/28/2020	0.84	12/30/2030	102.77908	100.0458076	97.42130437	94.90027939	92.47773886	90.14896732	87.90951013	85.7551573	83.68192834
210104A00006	11/22/2021	0.88	11/20/2026	101.14591	99.91324148	98.71036907	97.53622394	96.38978766	95.27008944	94.17620335	93.10724575	92.06237292
210104A00007	11/23/2021	0.88	11/23/2026	101.15781	99.91677902	98.70594042	97.52420549	96.37053602	95.2439426	94.14348185	93.06825374	92.01739911
210104A00009	12/20/2021	0.89	12/18/2026	101.26146	99.96081086	98.68687151	97.43882361	96.21588682	95.01731242	93.84238166	92.69040423	91.56071692
210104A00010	11/22/2021	0.88	11/20/2026	101.14591	99.91324148	98.71036907	97.53622394	96.38978766	95.27008944	94.17620335	93.10724575	92.06237292
210104A00011	11/23/2021	0.88	11/23/2026	101.15781	99.91677902	98.70594042	97.52420549	96.37053602	95.2439426	94.14348185	93.06825374	92.01739911
210104A00012	12/20/2021	0.89	12/18/2026	101.26146	99.96081086	98.68687151	97.43882361	96.21588682	95.01731242	93.84238166	92.69040423	91.56071692
210107A00007	1/7/2021	0.84	1/7/2026	100.27387	99.83457642	99.39913832	98.96750529	98.5396275	98.11545602	97.69494276	97.27804045	96.86470264
210114A00009	1/19/2021	2.66	1/17/2030	112.64297	108.0738158	103.7172975	99.56243225	95.5988585	91.81679905	88.20702543	84.76082422	81.46996579
210125A00006	1/27/2021	2.16	1/26/2027	103.20154	101.7886303	100.4019032	99.04069414	97.70436057	96.39228117	95.10385482	93.8384998	92.59565303
210125A00007	1/27/2021	2.98	1/27/2031	116.74823	111.0270761	105.624971	100.5224598	95.70136715	91.14471069	86.83661666	82.76224226	78.90770361
210127A00008	1/27/2021	0.93	1/27/2027	101.45286	100.0503165	98.67382501	97.32272327	95.99637148	94.69415086	93.41546278	92.15972795	90.92638565
210127A00009	1/27/2021	1.3	7/27/2029	105.96112	102.0087675	98.22441396	94.60007482	91.12818421	87.80157268	84.6134444	81.5573557	78.62719502
210127A00010	1/27/2021	1.41	7/26/2030	107.69406	102.7126152	97.98908042	93.5088254	89.25812279	85.22408714	81.3946191	77.75835356	74.30461152
210201A00001	2/1/2021	0.77	12/16/2025	100.15214	99.85615927	99.56194148	99.26946776	98.97872253	98.68969042	98.4023562	98.11670485	97.83272153

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
210201A00002	2/1/2021	1.19	2/1/2036	105.20561	99.85501214	94.88703806	90.26973423	85.97410069	81.9737958	78.24487278	74.7655441	71.51597068
210201A00003	2/2/2021	0.74	10/15/2025	100.04485	99.92021539	99.79591206	99.67193412	99.54828026	99.42494915	99.30193949	99.17924999	99.05687934
210201A00012	2/3/2021	0.75	11/17/2025	100.09397	99.8781086	99.66318962	99.44920776	99.23615684	99.02403073	98.81282334	98.60252866	98.39314072
210208A00004	2/11/2021	0.76	10/15/2025	100.04734	99.92271197	99.79840622	99.67442587	99.5507696	99.42743609	99.30442404	99.18173214	99.05935911
210208A00008	2/11/2021	0.78	11/17/2025	100.10047	99.88459569	99.66966725	99.45567596	99.24261565	99.03048017	98.81926344	98.60895946	98.39956224
210209A00029	2/12/2021	0.8	12/15/2025	100.15894	99.86570543	99.57420093	99.28440867	98.99631349	98.70990043	98.42515467	98.14206159	97.86060674
210212A00004	2/12/2021	1.1	2/12/2036	105.09312	99.73803204	94.76641066	90.14619076	85.8482778	81.84624712	78.11607919	74.63592267	71.38588247
210212A00006	2/12/2021	0.77	2/12/2026	100.33047	99.80143663	99.27800007	98.76006989	98.24755929	97.74038329	97.2384587	96.74170403	96.25003949
210212A00007	2/12/2021	0.76	2/12/2026	100.32434	99.79646764	99.27417822	98.7573784	98.24598169	97.73990341	97.23906066	96.74337222	96.2527586
210212A00008	2/12/2021	0.95	10/13/2026	101.07071	99.94349398	98.84123988	97.76312651	96.70836815	95.67621286	94.66594063	93.67686178	92.70831532
210212A00014	2/17/2021	1.38	2/17/2026	100.57562	100.1049362	99.63865223	99.17670873	98.71904518	98.26560221	97.81632155	97.371146	96.93001942
210216A00006	2/16/2021	1.44	2/15/2030	107.63991	103.089043	98.75542929	94.627597	90.69473829	86.94666811	83.37378503	79.96703483	76.71787644
210216A00007	2/16/2021	1.3	2/16/2029	105.5754	102.0639176	98.68739983	95.43995073	92.3159665	89.31011721	86.41733177	83.63278392	80.95187906
210216A00008	2/16/2021	0.71	2/17/2026	100.2922	99.82190004	99.35600965	98.89446295	98.43719929	97.98415917	97.53528419	97.09051701	96.64980134
210216A00009	2/16/2021	0.92	2/16/2027	101.62831	100.164762	98.72947351	97.32169543	95.94070726	94.58581324	93.25634121	91.95164164	90.67108667
210216A00011	2/17/2021	0.83	12/15/2025	100.16777	99.87451711	99.58299629	99.29318779	99.00507644	98.71864727	98.43388549	98.15077645	97.8693057
210217A00005	2/17/2021	0.83	2/14/2031	103.01986	100.1941784	97.48398312	94.88352576	92.3873846	89.99044628	87.68788619	85.47515014	83.3479374
210218A00010	2/18/2021	1.72	2/18/2031	109.87372	104.2742747	98.99354645	94.01178282	89.31055571	84.872664	80.68204564	76.72369668	72.98359631
210218A00011	2/22/2021	0.85	10/24/2025	100.07281	99.92326434	99.77417618	99.62554303	99.4773628	99.32963339	99.18235273	99.03551876	98.88912943
210219A00004	2/19/2021	0.91	2/19/2026	100.35881	99.88321645	99.41212023	98.94546034	98.48317428	98.02520071	97.57147945	97.12195142	96.67655864
210219A00008	2/22/2021	0.86	12/1/2025	100.14471	99.89012048	99.63682014	99.38480098	99.13405332	98.88456757	98.63633425	98.38934397	98.14358741
210224A00002	2/25/2021	0.88	11/3/2025	100.0948	99.91759232	99.74101171	99.56505805	99.38972799	99.21501821	99.04092542	98.86744633	98.69457769
210224A00003	2/26/2021	0.9	12/3/2025	100.1597	99.89957149	99.64078977	99.38334914	99.12723916	98.87244954	98.61897007	98.36679064	98.11590127
210224A00004	2/26/2021	0.91	12/18/2025	100.19856	99.89697306	99.59721633	99.29926827	99.00311245	98.70873264	98.4161128	98.1252371	97.83608988
210224A00006	2/26/2021	0.88	10/21/2025	100.07232	99.9310691	99.79023231	99.64980599	99.50978831	99.37017747	99.23097166	99.09216908	98.95376795
210225A00003	3/1/2021	0.93	9/24/2025	100.03349	99.9669552	99.90052352	99.83419012	99.76795478	99.70181729	99.63577744	99.56983501	99.50398979
210225A00006	2/25/2021	0.98	2/25/2026	100.40837	99.9161066	99.42865752	98.94594882	98.46791166	97.99447848	97.52558307	97.06116044	96.60114686
210225A00007	2/25/2021	1.79	8/23/2030	109.69136	104.5856503	99.7473803	95.16118307	90.81264845	86.68826267	82.77534802	79.06200688	75.53706976
210225A00013	3/1/2021	0.93	10/6/2025	100.05236	99.95261568	99.85307519	99.75374275	99.65461768	99.5556993	99.45698694	99.35847992	99.26017758
210226A00004	3/1/2021	1.04	12/5/2025	100.20179	99.93607031	99.6717605	99.40885245	99.147335	98.88719708	98.62842777	98.37101624	98.11495178
210226A00012	2/26/2021	2.31	2/26/2036	117.36101	106.6991082	97.11075346	88.48181838	80.71085747	73.70763894	67.39185443	61.69198293	56.54428974
210302A00005	3/5/2021	0.92	9/10/2025	100.01431	99.98657481	99.95887443	99.9312043	99.90356438	99.87595462	99.84837495	99.82082532	99.79330569
210303A00006	3/4/2021	0.97	10/10/2025	100.06402	99.95319601	99.84263432	99.73233135	99.62228616	99.51249779	99.40296532	99.2936878	99.1846643

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
210304A00006	3/4/2021	1.02	3/4/2026	100.44684	99.93520543	99.42877119	98.92745465	98.4311785	97.93986701	97.45344597	96.97184261	96.49498562
210305A00013	3/5/2021	2.41	3/5/2036	118.42133	107.6853758	98.03083942	89.34264238	81.51850561	74.46747047	68.10859433	62.36980228	57.18687541
210311A00007	3/11/2021	1.06	3/11/2026	100.48619	99.95519686	99.42980519	98.90992784	98.39547819	97.88637146	97.38252463	96.88385638	96.39028707
210312A00008	3/12/2021	1.13	3/12/2026	100.52638	99.99251404	99.46430896	98.94167621	98.42452783	97.9127777	97.4063415	96.90513666	96.40908232
210315A00003	3/15/2021	1.13	3/13/2026	100.52926	99.99263687	99.46173151	98.93645582	98.41672045	97.90243797	97.39352277	96.88989102	96.39146064
210319A00009	3/19/2021	1.1	3/19/2026	100.60691	99.97596994	99.35298101	98.73779027	98.13025156	97.53022242	96.93756386	96.35214035	95.77381963
210324A00002	3/24/2021	2.06	3/24/2031	111.8875	106.1388085	100.7212792	95.6141182	90.79794496	86.25468759	81.96748793	77.92061374	74.09937776
210324A00003	3/24/2021	1.18	3/24/2026	100.58944	100.0223682	99.46167258	98.90724731	98.35898761	97.81679104	97.28055738	96.75018863	96.22558894
210330A00021	3/30/2021	2.16	3/28/2031	112.46808	106.692507	101.2499098	96.11936052	91.28135186	86.71769552	82.41142633	78.3467137	74.50877992
210330A00022	3/30/2021	1.27	3/30/2026	100.66028	100.0764627	99.49939186	98.92894928	98.36502134	97.80749702	97.25626783	96.7112277	96.17227293
210331A00007	3/31/2021	1.25	3/31/2031	104.08544	101.1920552	98.41834969	95.75829788	93.20622376	90.75677728	88.40491343	86.14587276	83.97516325
210407A00013	4/7/2021	1.23	4/7/2026	100.66144	100.0556456	99.4571196	98.86573357	98.28136026	97.70387542	97.13315776	96.5690888	96.01155283
210408A00007	4/8/2021	1.05	4/8/2031	103.74592	100.8173995	98.01160096	95.32227344	92.74353306	90.26983733	87.89596303	85.61698562	83.42826013
210409A00010	4/9/2021	1.05	4/9/2031	103.70954	100.8097513	98.03096872	95.36704638	92.812196	90.36096463	88.00821293	85.74909493	83.57903937
210420A00009	4/20/2021	1.08	12/5/2025	100.21245	99.94671235	99.68238418	99.41945785	99.15792218	98.89776612	98.63897873	98.3815492	98.12546681
210420A00010	4/20/2021	1.08	12/12/2025	100.23267	99.94757805	99.66411916	99.3822783	99.10204154	98.82339513	98.54632545	98.27081906	97.99686266
210420A00035	4/20/2021	1.92	4/20/2034	109.58006	103.8556902	98.53240157	93.57785104	88.96255352	84.65961261	80.64447617	76.89471648	73.38983228
210423A00001	4/23/2021	1.72	4/23/2036	108.61181	102.994412	97.78490827	92.9487414	88.45459002	84.27404348	80.38130971	76.7529541	73.36766638
210423A00003	4/23/2021	1.31	4/23/2031	104.52574	101.574606	98.74718084	96.03716323	93.43861934	90.94595982	88.55391747	86.25752644	84.05210294
210428A00006	4/28/2021	1.23	4/28/2026	100.72573	100.0620206	99.40701655	98.76055135	98.12245894	97.49257758	96.87074968	96.25682164	95.65064376
210428A00007	4/28/2021	1.74	10/27/2028	106.2837	103.075128	99.97987879	96.99328365	94.11089819	91.32848876	88.64202093	86.04764868	83.54170435
210428A00008	4/28/2021	1.93	4/26/2030	109.89157	105.1043513	100.5530544	96.22479314	92.10745793	88.18966343	84.46070103	80.91049465	77.52955984
210428A00015	4/28/2021	2.02	4/28/2031	111.77321	105.9312762	100.4308924	95.25030359	90.36925215	85.76886951	81.43157336	77.3409731	73.4817828
210429A00005	4/29/2021	2.08	4/29/2031	112.12244	106.2678908	100.7556137	95.56379974	90.67214576	86.0617411	81.71496456	77.61538966	73.74769723
210507A00008	5/7/2021	1.94	5/7/2031	111.33587	105.482045	99.97195926	94.78363094	89.89659605	85.29179957	80.95149084	76.85912717	72.99928524
210507A00009	5/7/2021	2.02	5/7/2032	112.66896	105.7894262	99.37593019	93.39447054	87.81370122	82.60470906	77.7408124	73.19737754	68.95165116
210512A00011	5/12/2021	1.16	5/12/2026	100.80661	100.0307797	99.26695121	98.51484821	97.77420156	97.04475029	96.32624131	95.61842911	94.9210755
210512A00012	5/12/2021	1.16	5/12/2026	100.80661	100.0307797	99.26695121	98.51484821	97.77420156	97.04475029	96.32624131	95.61842911	94.92107551
210514A00007	5/14/2021	0.95	5/15/2028	101.66559	100.2442859	98.85678564	97.50200253	96.17889441	94.88646103	93.62374195	92.38981462	91.18379257
210514A00010	5/14/2021	1.34	5/14/2031	104.61295	101.6542056	98.82031841	96.1048802	93.50185876	91.00557481	88.61067896	86.31213019	84.10517605
210514A00033	5/18/2021	2.8	5/18/2028	108.36467	105.5706779	102.8633027	100.2392888	97.69553103	95.22906318	92.83705072	90.5167839	88.26567114
210518A00023	5/18/2021	1.17	5/18/2026	100.74749	100.0287836	99.3203002	98.62181871	97.93312835	97.25402425	96.58430726	95.92378366	95.27226509
210525A00004	5/25/2021	1.02	12/19/2025	100.23456	99.93015217	99.62760083	99.32689079	99.02800519	98.73092739	98.43564091	98.14212951	97.85037713

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
210526A00014	5/26/2021	1.01	12/19/2025	100.23151	99.92710431	99.62455878	99.32385453	99.02497471	98.72790264	98.43262188	98.13911617	97.84736945
210526A00017	5/26/2021	2.13	5/26/2033	114.24356	106.2900625	98.94922053	92.17060123	85.90817539	80.11991207	74.76741121	69.81557204	65.23229331
210526A00018	5/26/2021	1.11	5/26/2026	100.72771	99.98712791	99.25738646	98.53824981	97.82948815	97.13087831	96.44220344	95.76325284	95.09382174
210527A00019	5/27/2021	1	5/27/2026	100.70042	99.95652369	99.22356131	98.50129787	97.78950054	97.08794321	96.39640622	95.71467617	95.04254569
210527A00026	6/1/2021	2.78	6/1/2028	108.4233	105.5900587	102.8456395	100.1866736	97.6099438	95.11237849	92.69104405	90.34313737	88.06597891
210603A00015	6/7/2021	2.71	6/7/2028	108.27642	105.4283143	102.6699734	99.99800048	97.4091538	94.90033661	92.46858945	90.11108297	87.8251112
210608A00017	6/10/2021	2.67	6/8/2029	111.03504	107.1189865	103.36314	99.76003906	96.30261904	92.9841847	89.79838851	86.73921031	83.80093834
210609A00007	6/11/2021	2.6	6/11/2029	110.78929	106.86943	103.1102862	99.50437886	96.04461845	92.72428523	89.53700771	86.47674236	83.53775469
210610A00012	6/11/2021	1.9	6/10/2026	101.39436	100.6097451	99.83724363	99.07657434	98.32746682	97.58965886	96.86289615	96.14693197	95.44152689
210610A00014	6/11/2021	2.03	6/10/2026	101.49647	100.7114215	99.93848454	99.17738444	98.4278507	97.68962104	96.96244108	96.24606399	95.54025029
210611A00006	6/11/2021	1.85	6/11/2031	110.89629	104.9608295	99.37928434	94.12872309	89.18782229	84.53674148	80.15701221	76.03143603	72.14399053
210611A00010	6/11/2021	1.02	6/11/2026	100.78047	99.92799896	99.09002386	98.26618014	97.45611163	96.65947407	95.8759346	95.1051713	94.34687273
210611A00011	6/11/2021	1.02	6/11/2026	100.78047	99.92799896	99.09002386	98.26618014	97.45611163	96.65947407	95.8759346	95.1051713	94.34687273
210611A00012	6/11/2021	1.02	6/11/2026	100.78047	99.92799896	99.09002386	98.26618014	97.45611163	96.65947407	95.8759346	95.1051713	94.34687273
210623A00028	6/23/2021	1.22	6/23/2026	100.90498	100.0867863	99.28179898	98.48970194	97.71018761	96.94295807	96.18772476	95.44420807	94.71213705
210624A00005	6/24/2021	1.22	6/24/2026	100.90843	100.0874692	99.27980794	98.48512128	97.7030986	96.93343916	96.17585167	95.43005391	94.69577241
210624A00025	6/24/2021	1.43	6/24/2027	102.98625	101.1612886	99.3773102	97.63312919	95.9276075	94.2596477	92.62819128	91.03221699	89.4707392
210624A00026	6/24/2021	1.6	6/23/2028	105.23359	102.3840149	99.62580153	96.95552476	94.36990402	91.86580045	89.4402099	87.09025631	84.81318543
210629A00005	6/29/2021	1.25	6/29/2026	100.95079	100.1159139	99.29476987	98.48702512	97.69235404	96.91044149	96.14098238	95.3836813	94.63825208
210629A00009	6/29/2021	1.14	12/31/2025	100.30786	99.9701835	99.63477268	99.30160339	98.97065327	98.64190028	98.31532263	97.99089885	97.66860773
210629A00012	6/29/2021	1.14	12/29/2025	100.30175	99.96960833	99.63966186	99.31188878	98.98626772	98.66277753	98.34139739	98.0221067	97.70488517
210629A00014	6/29/2021	1.78	12/28/2029	108.62742	104.200344	99.97804356	95.95001881	92.10636239	88.43772184	84.93526575	81.59065206	78.39599848
210629A00015	6/29/2021	1.89	6/27/2031	111.17227	105.1849689	99.55698985	94.26497713	89.28720319	84.60345021	80.19489791	76.04402027	72.1344904
210701A00007	7/1/2021	1.22	7/1/2026	100.93273	100.0924466	99.26607442	98.45327457	97.65371512	96.86707489	96.09304298	95.3313184	94.58160967
210706A00006	7/6/2021	1.15	7/6/2026	100.89092	100.0371017	99.19766511	98.37224626	97.56049637	96.7620782	95.97666553	95.20394269	94.44360416
210706A00014	7/6/2021	1.15	6/26/2026	100.85722	100.0310041	99.21825562	98.41864773	97.6318639	96.85759771	96.09555246	95.34544072	94.60698403
210706A00015	7/6/2021	1.06	12/31/2025	100.28076	99.94314643	99.60779246	99.27467973	98.94378589	98.61508889	98.28856696	97.96419862	97.64196267
210707A00002	7/7/2021	1.12	6/26/2026	100.83232	100.0062196	99.19358274	98.39408521	97.60741051	96.83325223	96.07131368	95.32130747	94.58295517
210707A00008	7/9/2021	2.44	7/7/2031	114.47114	108.3611732	102.617813	97.21719326	92.13711719	87.35693259	82.85741705	78.62067221	74.63002629
210709A00002	7/9/2021	1.36	7/9/2029	106.41322	102.4923514	98.73630138	95.13732135	91.68806493	88.38156646	85.21121923	82.17075517	79.25422577
210709A00005	7/9/2021	1.69	7/9/2031	110.0055	104.0201663	98.39647712	93.1107975	88.14114928	83.46708783	79.06958787	74.9309382	71.03464484
210709A00006	7/13/2021	2.4	7/11/2031	114.24664	108.132477	102.3859159	96.98297713	91.90136568	87.1203408	82.62060022	78.38417361	74.39432431
210714A00012	7/14/2021	1.12	7/14/2026	100.98235	100.0387649	99.11291926	98.20431833	97.3124823	96.43694907	95.57727339	94.73302611	93.90379347

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
210714A00013	7/14/2021	1.12	7/14/2026	100.98235	100.0387649	99.11291926	98.20431833	97.3124823	96.43694907	95.57727339	94.73302611	93.90379347
210714A00014	7/14/2021	1.12	7/14/2026	100.98235	100.0387649	99.11291926	98.20431833	97.3124823	96.43694907	95.57727339	94.73302611	93.90379347
210714A00015	7/14/2021	1.11	7/14/2026	100.96583	100.0286126	99.10897859	98.20643061	97.32049389	96.45071115	95.59664177	94.75786108	93.93395961
210719A00004	7/19/2021	1	4/20/2026	100.55313	99.91201549	99.27905359	98.65408553	98.03696053	97.42753161	96.82565543	96.23119219	95.64400553
210719A00009	7/19/2021	1.04	7/17/2026	100.83116	99.94744866	99.07914705	98.22585622	97.38718959	96.56277373	95.75224787	94.95526329	94.17148288
210720A00035	7/22/2021	2.27	7/21/2031	113.50156	107.3824032	101.6330909	96.22938507	91.14875572	86.37025066	81.87437748	77.64299489	73.65921265
210721A00009	7/21/2021	1.7	7/21/2031	110.08328	104.0641707	98.41057809	93.09849056	88.10559129	83.41112862	78.99579881	74.84163817	70.93192372
210722A00001	7/22/2021	1.1	7/22/2026	100.90101	100.0032366	99.12135734	98.25495124	97.40361401	96.5669553	95.74459812	94.93617833	94.14134402
210722A00008	7/21/2023	1.84	7/22/2030	109.82638	104.8033684	100.0391212	95.51901102	91.22931042	87.1571314	83.29036988	79.61765419	76.12829715
210722A00009	7/21/2023	1.96	7/22/2032	112.39718	105.3256974	98.74681634	92.62373818	86.92258621	81.61216212	76.66372172	72.05077057	67.74887748
210729A00003	7/29/2021	1.11	7/29/2026	100.9334	100.0162563	99.11567976	98.23122588	97.36246511	96.50898303	95.6703797	94.84626901	94.03627811
210729A00004	7/29/2021	1.74	7/29/2031	110.33612	104.2885848	98.60940957	93.27432196	88.26076492	83.54776862	79.11583118	74.94680889	71.02381523
210729A00006	7/29/2021	1.87	11/30/2032	111.97172	104.5691998	97.70637457	91.34109146	85.43470355	79.95176021	74.85972634	70.12872789	65.73132082
210803A00005	8/5/2021	2.06	8/4/2026	101.84638	100.9081251	99.98710028	99.08283342	98.1948704	97.32277335	96.46611998	95.62450284	94.79752873
210804A00008	8/6/2021	2.28	8/4/2028	107.45451	104.458352	101.5615358	98.76023236	96.05078327	93.42969093	90.89361046	88.43934209	86.06382408
210809A00010	8/9/2021	1.06	8/7/2026	101.01335	100.0062492	99.01935481	98.05206177	97.10378889	96.17397783	95.26209192	94.36761517	93.49005123
210809A00012	8/9/2021	1.06	8/7/2026	101.01335	100.0062492	99.01935481	98.05206177	97.10378889	96.17397783	95.26209192	94.36761517	93.49005123
210809A00013	8/9/2021	1.05	8/7/2026	100.99534	99.99549876	99.01566429	98.05523915	97.11364865	96.19034065	95.28478444	94.39646971	93.52490557
210809A00014	8/9/2021	1.06	8/7/2026	101.01335	100.0062492	99.01935481	98.05206177	97.10378889	96.17397783	95.26209192	94.36761517	93.49005123
210809A00015	8/9/2021	1.06	8/7/2026	101.01335	100.0062492	99.01935481	98.05206177	97.10378889	96.17397783	95.26209192	94.36761517	93.49005123
210817A00013	8/19/2021	2	8/19/2026	101.88362	100.903768	99.94270662	98.99989567	98.07481889	97.16697938	96.27589867	95.40111586	94.5421868
210826A00009	8/26/2021	1.18	8/26/2026	101.10791	100.112897	99.13735419	98.18071222	97.24242629	96.32197237	95.4188462	94.53256237	93.66265344
210826A00013	8/26/2021	1.97	2/28/2033	112.86081	105.186721	98.08914424	91.52180602	85.4423658	79.81206706	74.59541705	69.7598967	65.27569757
210907A00004	9/7/2021	2.01	9/7/2033	113.43783	105.2458751	97.70670909	90.76492821	84.37009319	78.47626489	73.04158171	68.02787872	63.40034408
210907A00006	9/7/2021	2.1	9/7/2034	114.6622	105.479427	97.10797185	89.47184022	82.50252252	76.13821859	70.3231498	65.00694472	60.14409036
210907A00007	9/7/2021	2.35	9/4/2037	117.93537	105.8984818	95.22617578	85.75571006	77.34453801	69.86771109	63.21562757	57.29207891	52.01255337
210907A00008	9/7/2021	2.42	9/7/2038	118.9304	105.9744881	94.59248624	84.58349034	75.77322144	68.01037977	61.16351223	55.11832034	49.77534478
210907A00009	9/7/2021	2.5	9/7/2039	120.52663	106.6337822	94.53677555	83.99176661	74.78923378	66.74899616	59.71597341	53.55657616	48.15563099
210907A00010	9/7/2021	2.58	9/7/2040	122.86384	107.9847688	95.14036829	84.0382175	74.42942352	66.10194458	58.87496706	52.59416435	47.12769551
210907A00011	9/7/2021	2.65	9/6/2041	125.90561	109.9801723	96.34660663	84.65786545	74.62130378	65.98989911	58.55492897	52.13985493	46.59520923
210907A00013	9/9/2021	2.14	9/9/2025	100.04449	100.0195089	99.99455108	99.9696198	99.94471505	99.91983678	99.89498494	99.87015949	99.84536039
210907A00014	9/9/2021	2.45	9/9/2026	102.48759	101.4463294	100.4261823	99.4265079	98.44669456	97.48615459	96.54432333	95.62065802	94.7146367
210907A00015	9/9/2021	2.21	9/9/2026	102.23845	101.1985741	100.1797933	99.1814661	98.20298128	97.2437516	96.30321281	95.38082255	94.47605924

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
210913A00014	9/13/2021	1.15	9/13/2028	102.17343	100.5321801	98.93410022	97.37770031	95.86155544	94.38430051	92.94462725	91.5412814	90.17306008
210913A00015	9/13/2021	1.08	9/14/2026	101.16177	100.0810628	99.02394355	97.98964011	96.97741453	95.98656051	95.01640168	94.06629003	93.13560446
210914A00012	9/14/2021	1.18	9/14/2027	103.03606	100.9860889	98.98705152	97.03735492	95.13546497	93.27990654	91.46926071	89.7021622	87.97729688
210914A00014	9/14/2021	0.97	9/14/2026	101.04451	99.99642352	98.96993146	97.9643767	96.97912411	96.01356405	95.06711105	94.13920265	93.22929829
210914A00015	9/14/2021	0.81	9/15/2025	100.01918	99.97755925	99.93599398	99.89448016	99.85301768	99.81160644	99.77024634	99.72893728	99.68767915
210914A00017	9/14/2021	1.32	9/14/2028	104.97971	101.9038255	98.93375012	96.06525369	93.29430173	90.61704421	88.02980593	85.5290775	83.11150674
210914A00018	9/14/2021	1.43	9/14/2029	106.96948	102.8558892	98.92246938	95.16038952	91.56129531	88.11728508	84.82088273	81.66501235	78.64297462
210915A00024	9/15/2021	1.1	9/15/2026	101.21923	100.1104326	99.02609804	97.96542577	96.92764522	95.91201906	94.91784137	93.944436	92.99115496
210915A00025	9/15/2021	1.09	9/15/2026	101.19737	100.097392	99.02161945	97.96925364	96.93953354	95.93173084	94.94514823	93.97911777	93.03299933
210915A00026	9/15/2021	1.1	9/15/2026	101.21923	100.1104326	99.02609804	97.96542577	96.92764522	95.91201906	94.91784137	93.944436	92.99115496
210915A00027	9/15/2021	1.1	9/15/2026	101.21923	100.1104326	99.02609804	97.96542577	96.92764522	95.91201906	94.91784137	93.944436	92.99115496
210916A00008	9/16/2021	1.48	9/15/2028	105.25942	102.1816546	99.20968426	96.3392796	93.56640819	90.88722199	88.29804768	85.7953776	83.3758612
210916A00009	9/16/2021	2.25	9/16/2036	116.79138	105.6634083	95.70886067	86.79736433	78.81365398	71.6557554	65.233393	59.46659508	54.28447156
210917A00004	9/17/2021	1.03	9/17/2025	100.02881	99.98167354	99.93459608	99.88757916	99.84062265	99.79372644	99.74689041	99.70011443	99.6533984
210917A00008	9/17/2021	1.55	9/15/2028	105.47598	102.3948643	99.41962737	96.54603895	93.77006388	91.08785146	88.49572582	85.99017684	83.56785164
210917A00012	9/17/2021	1.2	9/11/2026	101.19931	100.159703	99.14132724	98.14354018	97.16572265	96.20728007	95.26764125	94.34625726	93.44260036
210920A00014	9/9/2022	1.28	9/9/2026	101.27302	100.2385223	99.2250359	98.23192912	97.25859234	96.30444001	95.36890953	94.45146007	93.55157159
210920A00015	9/9/2022	1.28	9/9/2026	101.27302	100.2385223	99.2250359	98.23192912	97.25859234	96.30444001	95.36890953	94.45146007	93.55157159
210921A00006	9/21/2021	1.43	9/21/2028	104.99478	101.9748618	99.05980776	96.24534336	93.52739718	90.9020892	88.3657204	85.91476305	83.54585158
210921A00009	9/21/2021	1.28	9/21/2028	104.74982	101.7315357	98.81817639	96.0054599	93.2893087	90.66583714	88.13134101	85.68228779	83.31530749
210924A00003	9/24/2021	2.37	9/24/2036	118.12006	106.9012762	96.86535413	87.88077708	79.83128935	72.6140539	66.13804262	60.32262683	55.09634227
210924A00004	9/24/2021	2.37	9/24/2036	118.12006	106.9012762	96.86535413	87.88077708	79.83128935	72.6140539	66.13804262	60.32262683	55.09634227
210924A00005	9/24/2021	2.37	9/24/2036	118.12006	106.9012762	96.86535413	87.88077708	79.83128935	72.6140539	66.13804262	60.32262683	55.09634227
210924A00011	9/24/2021	2.19	9/25/2034	115.51077	106.2437635	97.79842102	90.09748481	83.07133033	76.6571795	70.79839571	65.44385458	60.54738219
210928A00008	9/28/2021	1.35	9/28/2026	101.44232	100.3543752	99.28962467	98.24733045	97.22678857	96.22732418	95.24829006	94.28906526	93.34905374
210928A00009	9/28/2021	2.18	9/28/2033	114.86178	106.5578205	98.91836491	91.88673425	85.41136005	79.44529882	73.94579527	68.87388891	64.19405947
210928A00010	9/28/2021	1.12	9/26/2025	100.04994	99.97785564	99.90588393	99.83402267	99.76227162	99.69063052	99.61909914	99.54767722	99.47636452
211007A00006	10/7/2021	1.28	10/7/2026	101.53503	100.3629533	99.2181473	98.09966318	97.00659832	95.93809096	94.89331796	93.87149263	92.8718628
211014A00012	10/14/2021	1.46	10/14/2031	105.32583	102.0994357	99.01834234	96.07465524	93.26096871	90.57033254	87.99622091	85.53250354	83.17341906
211015A00031	10/15/2021	1.22	10/15/2025	100.10482	99.98013336	99.855772	99.73173616	99.60802452	99.48463575	99.36156855	99.23882161	99.11639366
211019A00009	10/19/2021	1.48	10/9/2026	101.64758	100.5279748	99.43289466	98.3615436	97.31315711	96.28700322	95.28238077	94.29861781	93.33507009
211019A00011	10/19/2021	1.48	10/16/2026	101.68847	100.5492149	99.43534497	98.34602061	97.2804377	96.23782686	95.21745163	94.21860676	93.24061652
211026A00012	10/26/2021	1.52	10/26/2026	101.79364	100.6260073	99.48500139	98.36972405	97.27931319	96.21294484	95.16983106	94.149218	93.15038407

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
211026A00013	10/26/2021	1.52	10/26/2026	101.79364	100.6260073	99.48500139	98.36972405	97.27931319	96.21294484	95.16983106	94.149218	93.15038407
211028A00012	10/28/2021	1.64	10/15/2027	104.01711	101.874501	99.78651498	97.75138032	95.76739796	93.83293697	91.94643125	90.10637638	88.31132667
211028A00013	10/28/2021	1.65	10/22/2027	104.07684	101.9146907	99.80801368	97.75499465	95.75389541	93.80304819	91.90085216	90.04577012	88.23632541
211028A00020	10/28/2021	2.05	1/28/2031	111.62682	106.0410879	100.7691402	95.7917679	91.09102898	86.65016187	82.45350216	78.48640539	74.73517574
211028A00021	10/28/2021	2.28	10/28/2033	115.73825	107.3218312	99.58395993	92.46630633	85.91584336	79.88433825	74.32789585	69.20654772	64.48388205
211110A00012	11/10/2021	1.44	11/10/2026	101.89281	100.6361552	99.40737913	98.20555063	97.02978061	95.87921914	94.75305335	93.65050533	92.57083034
211110A00013	11/10/2021	1.44	11/10/2026	101.89281	100.6361552	99.40737913	98.20555063	97.02978061	95.87921914	94.75305335	93.65050533	92.57083034
211110A00014	11/10/2021	1.44	11/10/2026	101.89281	100.6361552	99.40737913	98.20555063	97.02978061	95.87921914	94.75305335	93.65050533	92.57083034
211115A00032	11/15/2021	1.75	11/12/2027	104.41729	102.1936256	100.0281532	97.91892694	95.86408219	93.86183206	91.91046343	90.0083332	88.15386479
211119A00009	11/19/2021	1.68	11/19/2027	104.30129	102.0594491	99.87669427	97.75103282	95.6805571	93.6634398	91.69792974	89.78234799	87.9150842
211123A00011	11/23/2021	1.69	11/23/2026	102.16746	100.9197663	99.70238317	98.51421262	97.35421336	96.22139311	95.11480571	94.03354842	92.97675954
211123A00012	11/23/2021	2.27	11/23/2033	115.70883	107.2248755	99.43027526	92.26531299	85.67574558	79.61227229	74.03006013	68.88831719	64.14990877
211129A00011	11/29/2021	1.53	11/20/2026	101.9507	100.712756	99.50469988	98.32545668	97.17400565	96.04937371	94.95063276	93.87689706	92.82732087
211129A00012	11/29/2021	1.53	11/25/2026	101.97957	100.7275711	99.50612416	98.31412103	97.15050773	96.01428007	94.90448067	93.82019632	92.76055545
211206A00009	12/6/2021	1.43	12/5/2025	100.30573	100.0398303	99.77534144	99.51225507	99.25056	98.99024518	98.73129966	98.47371262	98.21747334
211206A00010	12/6/2021	1.54	12/4/2026	102.04238	100.767253	99.52236751	98.30664935	97.11907738	95.95867783	94.82452155	93.71572148	92.63143026
211206A00017	12/6/2021	1.56	12/4/2026	102.06792	100.7926219	99.54756708	98.33168249	97.14394687	95.9833864	94.84907185	93.74011607	92.65567166
211207A00011	12/7/2021	1.62	12/1/2026	102.12792	100.8588491	99.62076647	98.41254645	97.23311774	96.08145974	94.95659959	93.85760941	92.78360377
211207A00012	12/7/2021	1.62	12/4/2026	102.14454	100.8687285	99.62316579	98.40678188	97.21855535	96.05751212	94.92272275	93.81329986	92.72839585
211208A00012	12/8/2021	1.62	12/8/2026	102.27233	100.947894	99.64721265	98.36969649	97.11477817	95.88190843	94.67055541	93.48020399	92.31035508
211208A00013	12/8/2021	1.63	12/8/2026	102.30031	100.9681506	99.65988832	98.37493363	97.11271615	95.87268366	94.65430142	93.45705148	92.28043202
211209A00006	12/9/2021	1.61	12/8/2026	102.15382	100.8691055	99.61365404	98.38647	97.18659915	96.0131301	94.86519191	93.74195192	92.64261356
211209A00007	12/9/2021	1.61	12/8/2026	102.15382	100.8691055	99.61365404	98.38647	97.18659915	96.0131301	94.86519191	93.74195192	92.64261356
211210A00014	12/10/2021	1.54	12/10/2025	100.35587	100.07608	99.79785693	99.52119032	99.24606706	98.97247417	98.70039882	98.42982832	98.16075013
211210A00015	12/10/2021	1.63	12/10/2026	102.19073	100.9013339	99.64072164	98.40792561	97.20202532	96.02214087	94.86743079	93.73708987	92.63034729
211210A00016	12/10/2021	1.76	12/10/2027	104.6026	102.2996765	100.0586922	97.87756548	95.75429772	93.6869727	91.67375256	89.71287389	87.80264407
211214A00015	12/14/2021	1.49	12/12/2025	100.34991	100.0646014	99.78093063	99.4988788	99.21843196	98.93957635	98.66229835	98.3865845	98.11242151
211217A00021	12/21/2021	2.44	12/18/2026	103.30123	101.9864499	100.6986195	99.43691867	98.20056039	96.98878944	95.80088082	94.63613828	93.49389283
211221A00023	12/21/2021	1.53	6/19/2026	101.14246	100.3341911	99.53879789	98.75597159	97.98541609	97.22684456	96.47997903	95.74455009	95.02029653
211221A00025	12/21/2021	1.59	12/21/2026	102.19902	100.8852434	99.5975488	98.33517617	97.09739422	95.88350002	94.69281764	93.52469683	92.37851178
211222A00035	12/22/2021	2.15	12/22/2033	114.75111	106.2312576	98.41052434	91.22788479	84.62793449	78.56034335	72.97936744	67.84340997	63.11462627
211227A00005	12/27/2021	1.61	12/18/2026	102.20896	100.9017529	99.62136089	98.36697099	97.13779971	95.93309529	94.75213611	93.59422908	92.45870831
211227A00009	12/27/2021	1.6	12/23/2026	102.22324	100.9048674	99.61209287	98.34419128	97.10046614	95.88024719	94.6828891	93.50777027	92.35429177

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220104A00006	1/4/2022	1.76	1/4/2029	106.46962	103.2826832	100.2134446	97.25688406	94.40822671	91.6629268	89.01665544	86.46528896	84.00489806
220106A00007	1/6/2022	2.42	1/6/2034	117.05345	108.4012528	100.4599085	93.16723436	86.4667865	80.30730004	74.64219058	69.42910557	64.62952077
220106A00008	1/6/2022	2.5	1/5/2035	118.56463	108.900472	100.1126518	92.11689259	84.83742481	78.2060884	72.16153405	66.64851208	61.61723858
220106A00009	1/6/2022	2.57	1/4/2036	120.00902	109.3472045	99.74136454	91.08089237	83.26729571	76.21281739	69.83921714	64.07669687	58.86295201
220106A00010	1/6/2022	2.64	1/6/2037	121.19992	109.5614206	99.17225496	89.89088507	81.59249601	74.16694388	67.51696561	61.55661503	56.2098954
220106A00011	1/6/2022	2.7	1/6/2038	122.22734	109.6452395	98.51584217	88.66239994	79.93053432	72.18530898	65.30869425	59.19737316	53.7608414
220106A00013	1/6/2022	2.75	1/6/2039	123.37511	109.8593819	98.01135702	87.61437287	78.48099623	70.448951	63.37762881	57.14509841	51.64554048
220106A00018	1/10/2022	3.11	1/8/2032	119.45756	112.6884333	106.3535901	100.4228714	94.86835726	89.66419319	84.78642685	80.21285942	75.92290892
220106A00019	1/10/2022	3.17	1/7/2033	121.72815	113.874067	106.5923043	99.83804484	93.57019574	87.75106532	82.34606572	77.32344288	72.65403119
220111A00002	1/11/2022	1.75	1/16/2026	100.59362	100.2111737	99.83164236	99.45499331	99.0811937	98.71021116	98.34201381	97.97657024	97.61384953
220112A00004	1/12/2022	1.55	1/12/2026	100.52521	100.1536632	99.78487272	99.41880655	99.0554344	98.69472647	98.3366534	97.98118625	97.62829653
220112A00005	1/12/2022	1.55	1/12/2026	100.52521	100.1536632	99.78487272	99.41880655	99.0554344	98.69472647	98.3366534	97.98118625	97.62829653
220114A00007	1/14/2022	1.7	1/27/2026	100.62748	100.2145767	99.80505317	99.39887271	98.99599446	98.59637826	98.19998458	97.80677456	97.41670993
220114A00009	1/14/2022	1.74	4/21/2026	101.03415	100.3885547	99.7511897	99.12190091	98.50053546	97.88694434	97.28098224	96.68250745	96.09138177
220114A00010	1/14/2022	1.86	1/13/2027	102.69644	101.3221594	99.9727735	98.64766692	97.34624175	96.06791927	94.81213917	93.57835882	92.36605256
220121A00013	1/21/2022	1.78	11/3/2025	100.25473	100.0773078	99.90052146	99.72436262	99.54882796	99.37391417	99.19961794	99.02593598	98.85286506
220121A00014	1/21/2022	1.78	11/3/2025	100.25473	100.0773078	99.90052146	99.72436262	99.54882796	99.37391417	99.19961794	99.02593598	98.85286506
220124A00007	1/24/2022	1.88	1/22/2027	102.77854	101.379518	100.0062435	98.65806969	97.33436904	96.0345343	94.75797792	93.50413114	92.27244331
220124A00008	1/24/2022	1.88	1/22/2027	102.77854	101.379518	100.0062435	98.65806969	97.33436904	96.0345343	94.75797792	93.50413114	92.27244331
220125A00010	1/25/2022	1.89	1/25/2027	102.81087	101.4035577	100.0222807	98.66638141	97.33522208	96.02818588	94.74467598	93.4841148	92.24594321
220126A00002	1/26/2022	1.9	12/18/2026	102.5906	101.2807434	99.99775245	98.74080813	97.50912573	96.30195228	95.11856498	93.95826965	92.82039929
220126A00003	1/26/2022	1.9	12/18/2026	102.5906	101.2807434	99.99775245	98.74080813	97.50912573	96.30195228	95.11856498	93.95826965	92.82039929
220131A00003	1/31/2022	1.98	2/1/2027	102.9842	101.5565079	100.1555509	98.78064696	97.43113367	96.10637043	94.80573779	93.52863647	92.27448661
220131A00006	1/31/2022	1.83	2/1/2027	102.86917	101.4406977	100.0390059	98.66340571	97.31323323	95.98784646	94.6866246	93.40896712	92.15429295
220201A00011	2/1/2022	1.86	4/20/2026	101.10695	100.4638456	99.82890326	99.2019724	98.58290203	97.97154489	97.36775739	96.77139949	96.18233459
220203A00009	2/3/2022	1.99	2/2/2027	103.00613	101.5752917	100.1713066	98.79348152	97.44114983	96.11366717	94.81041036	93.53077662	92.27418269
220204A00004	2/4/2022	2.08	1/8/2027	102.9689	101.6060602	100.2676856	98.95317701	97.66195186	96.39344593	95.14711282	93.9224232	92.71886416
220209A00010	2/9/2022	2.14	1/11/2027	103.07164	101.7000037	100.3531213	99.03038484	97.73120168	96.45499809	95.20121853	93.9693249	92.75879592
220209A00011	2/9/2022	2.14	1/11/2027	103.07164	101.7000037	100.3531213	99.03038484	97.73120168	96.45499809	95.20121853	93.9693249	92.75879592
220214A00010	2/14/2022	2.46	12/21/2029	111.57849	107.1064403	102.8396385	98.7675913	94.88039713	91.16871034	87.62370684	84.23705216	81.00087166
220214A00012	2/14/2022	2.47	12/28/2029	111.66788	107.1747236	102.8885515	98.79877642	94.89540263	91.16899387	87.61063894	84.21191986	80.96488206
220216A00003	2/16/2022	2.49	12/14/2029	111.66418	107.2094436	102.958352	98.90049998	95.0260742	91.32581399	87.79097703	84.41330733	81.18500537
220217A00012	2/17/2022	2.28	2/16/2027	103.54135	102.0647249	100.6165557	99.19609133	97.80260639	96.43540052	95.09379709	93.77714224	92.48480389

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220217A00015	2/17/2022	2.28	2/16/2027	103.54135	102.0647249	100.6165557	99.19609133	97.80260639	96.43540052	95.09379709	93.77714224	92.48480389
220217A00016	2/17/2022	2.24	9/15/2026	102.31493	101.257982	100.2228144	99.20875464	98.21516205	97.24142152	96.28694241	95.35115732	94.43352094
220217A00017	2/17/2022	2.27	1/29/2027	103.3796	101.9572863	100.5614652	99.19145948	97.84661593	96.52630296	95.22990962	93.95684483	92.70653649
220217A00018	2/17/2022	2.28	2/17/2027	103.54967	102.0699994	100.6188945	99.19560204	97.79939273	96.42956216	95.0854299	93.76633846	92.4716523
220217A00027	2/16/2024	2.56	2/17/2032	116.0465	109.2746673	102.9463612	97.03020255	91.49718982	86.32050478	81.47533744	76.93872603	72.68941049
220218A00003	2/18/2022	2.16	9/4/2026	102.14988	101.1243545	100.1193553	99.13426689	98.1685021	97.22149665	96.29270803	95.38161451	94.48771407
220222A00018	2/22/2022	2.5	12/19/2031	115.44443	108.8552884	102.6878589	96.91295039	91.50353474	86.43457936	81.68288998	77.22696661	73.04687139
220224A00018	2/24/2022	2.15	3/16/2026	101.09572	100.5490771	100.008343	99.47342458	98.94422824	98.42066237	97.90263727	97.39006518	96.88286018
220224A00023	2/24/2022	2.15	3/16/2026	101.09572	100.5490771	100.008343	99.47342458	98.94422824	98.42066237	97.90263727	97.39006518	96.88286018
220225A00014	2/25/2022	2.42	2/23/2029	109.32759	105.7356415	102.2816944	98.95971001	95.76394484	92.68893721	89.72949169	86.88066466	84.13775061
220225A00015	2/25/2022	2.26	2/25/2027	103.5861	102.08227	100.6079033	99.16221378	97.74443838	96.35384059	94.98970934	93.65135789	92.33812278
220301A00013	3/1/2022	2.01	2/16/2027	103.14097	101.6674435	100.2223157	98.80484012	97.41429292	96.04997507	94.71121127	93.39734892	92.10775721
220301A00015	3/1/2022	2	1/4/2027	102.83347	101.4823359	100.1552823	98.85172399	97.5710914	96.31283297	95.07641435	93.86131781	92.6670415
220302A00010	3/2/2022	2.14	1/13/2027	103.08516	101.7080528	100.3558874	99.02804857	97.72393722	96.44297335	95.18459544	93.94825971	92.73343938
220302A00011	3/2/2022	2.14	1/13/2027	103.08516	101.7080528	100.3558874	99.02804857	97.72393722	96.44297335	95.18459544	93.94825971	92.73343938
220304A00004	3/4/2022	2.12	12/29/2028	107.90047	104.4920225	101.2092228	98.04679468	94.99970969	92.06317584	89.23262535	86.50370291	83.87225468
220308A00012	3/8/2022	2.51	3/8/2032	113.52093	107.779169	102.396983	97.34934429	92.61311125	88.16687849	83.99083686	80.06664573	76.37731615
220309A00010	3/9/2022	2.27	3/8/2027	103.68672	102.1515159	100.6467885	99.17170576	97.7254642	96.30728903	94.91643276	93.55217401	92.21381636
220310A00009	3/10/2022	2.31	3/10/2027	103.88821	102.3050567	100.7542633	99.23490113	97.74607531	96.28692497	94.85662145	93.45436679	92.07939233
220310A00010	3/10/2022	2.31	3/10/2027	103.88821	102.3050567	100.7542633	99.23490113	97.74607531	96.28692497	94.85662145	93.45436679	92.07939233
220311A00013	3/15/2022	2.35	3/15/2027	103.86444	102.3088701	100.7843896	99.29013572	97.82528039	96.38902524	94.98060047	93.59926351	92.24429779
220314A00004	3/14/2022	2.44	3/12/2027	103.98049	102.4321098	100.9145779	99.42704898	97.96870471	96.53875618	95.13644253	93.76102964	92.41180898
220314A00007	3/14/2022	2.44	3/12/2027	103.98049	102.4321098	100.9145779	99.42704898	97.96870471	96.53875618	95.13644253	93.76102964	92.41180898
220315A00014	3/15/2022	2.78	3/15/2032	117.61217	110.7149002	104.2730495	98.25411158	92.62806349	87.36716394	82.44576862	77.84016136	73.52839973
220315A00015	3/15/2022	3.18	3/13/2037	127.46732	115.3154259	104.476125	94.79921356	86.15244602	78.41930048	71.49703617	65.29499938	59.73314518
220315A00018	3/15/2022	2.43	3/15/2027	103.98908	102.4325039	100.9070323	99.41180478	97.94599264	96.50879713	95.09944799	93.71720223	92.36134288
220315A00036	3/17/2022	2.63	3/16/2027	104.30927	102.7473915	101.2167459	99.71646929	98.24572838	96.80371989	95.38966933	94.00282964	92.64248001
220315A00037	3/17/2022	2.63	3/16/2027	104.30927	102.7473915	101.2167459	99.71646929	98.24572838	96.80371989	95.38966933	94.00282964	92.64248001
220317A00026	5/3/2022	2.59	5/3/2027	104.66704	102.9692146	101.307141	99.67975512	98.08603487	96.52499862	94.99570299	93.49724098	92.02874019
220317A00027	5/3/2022	2.59	5/3/2027	104.66704	102.9692146	101.307141	99.67975512	98.08603487	96.52499862	94.99570299	93.49724098	92.02874019
220317A00028	5/3/2022	2.59	5/3/2027	104.66704	102.9692146	101.307141	99.67975512	98.08603487	96.52499862	94.99570299	93.49724098	92.02874019
220324A00015	3/24/2022	2.79	3/3/2026	101.34832	100.8367781	100.330393	99.82908879	99.33278912	98.84141932	98.35490619	97.87317795	97.39616424
220325A00012	3/28/2022	2.85	3/23/2026	101.53211	100.9647471	100.4037282	99.84894482	99.30029316	98.75767187	98.22098181	97.69012599	97.16500954

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220325A00015	3/28/2022	2.86	3/23/2027	104.73284	103.1484972	101.5960415	100.0745813	98.58325718	97.12124102	95.68773477	94.28196902	92.90320169
220325A00017	3/28/2022	2.86	3/23/2027	104.73284	103.1484972	101.5960415	100.0745813	98.58325718	97.12124102	95.68773477	94.28196902	92.90320169
220325A00018	3/28/2022	2.85	9/10/2026	102.91207	101.8656709	100.8405269	99.83599611	98.85146125	97.8863293	96.94003054	96.01201738	95.10176327
220325A00019	3/28/2022	2.86	3/23/2027	104.73284	103.1484972	101.5960415	100.0745813	98.58325718	97.12124102	95.68773477	94.28196902	92.90320169
220325A00020	3/28/2022	2.86	3/23/2027	104.73284	103.1484972	101.5960415	100.0745813	98.58325718	97.12124102	95.68773477	94.28196902	92.90320169
220329A00007	3/29/2022	2.94	3/29/2029	111.46386	107.7388178	104.1595077	100.7194204	97.41237347	94.23249526	91.17420714	88.23220709	85.40145433
220329A00009	3/29/2022	2.94	3/29/2029	111.46386	107.7388178	104.1595077	100.7194204	97.41237347	94.23249526	91.17420714	88.23220709	85.40145433
220331A00010	3/31/2022	2.83	2/18/2026	101.26772	100.792358	100.3214662	99.85497753	99.39283033	98.93496408	98.48131942	98.03183803	97.58646271
220401A00009	4/1/2022	2.98	4/1/2027	105.00896	103.3977602	101.8192656	100.2725531	98.7567298	97.27093592	95.81434332	94.38615404	92.9855989
220404A00010	4/4/2022	2.93	4/2/2027	104.93855	103.3251263	101.7444959	100.1957276	98.67792475	97.19022401	95.73179401	94.30183369	92.89957095
220404A00014	4/4/2022	2.94	4/5/2027	104.98428	103.362053	101.7729111	100.215909	98.690138	97.19472337	95.72882291	94.29162532	92.88234883
220407A00014	4/7/2022	3.14	4/6/2029	110.67101	107.3947847	104.2432085	101.2107247	98.29205785	95.48220076	92.77639892	90.17013612	87.65912079
220407A00017	4/7/2022	3.16	4/6/2029	111.3398	107.8771662	104.5486859	101.3483152	98.27032436	95.30927654	92.46001108	89.71762749	87.07747059
220408A00012	4/8/2022	3.12	6/29/2026	102.5183	101.676243	100.8480027	100.033243	99.2316367	98.44286727	97.6666281	96.90262234	96.15056242
220408A00013	4/8/2022	3.15	1/14/2027	104.49691	103.1068197	101.741948	100.4016649	99.08536327	97.79245549	96.52237268	95.27456401	94.0484959
220408A00014	4/8/2022	3.12	6/29/2026	102.5183	101.676243	100.8480027	100.033243	99.2316367	98.44286727	97.6666281	96.90262234	96.15056242
220411A00002	4/11/2022	3.18	4/9/2027	105.41445	103.7773642	102.1738101	100.6028227	99.06347547	97.55487698	96.07616913	94.62652556	93.20515017
220411A00008	4/11/2022	3.02	4/12/2027	105.44817	103.7620003	102.1115767	100.4958189	98.91369425	97.36421131	95.84641794	94.35939922	92.90227561
220412A00010	4/12/2022	3.09	3/15/2027	105.01738	103.4524826	101.9188349	100.4155745	98.94186875	97.49691524	96.07994005	94.69019668	93.32696482
220412A00016	4/12/2022	3.09	3/19/2027	105.05684	103.4807362	101.9362225	100.4224248	98.93849644	97.48362147	96.05701333	94.65791346	93.28559011
220412A00017	4/12/2022	3.09	3/19/2027	105.05684	103.4807362	101.9362225	100.4224248	98.93849644	97.48362147	96.05701333	94.65791346	93.28559011
220412A00018	4/12/2022	3.09	3/15/2027	105.01738	103.4524826	101.9188349	100.4155745	98.94186875	97.49691524	96.07994005	94.69019668	93.32696482
220418A00016	4/22/2022	3.11	9/15/2026	103.23256	102.1704349	101.1301628	100.111071	99.1125171	98.13388438	97.17458056	96.23403671	95.31170602
220419A00015	4/19/2022	3.14	4/17/2026	101.90617	101.2684716	100.6387573	100.0168791	99.40269117	98.79605129	98.19682074	97.60486417	97.02004952
220419A00016	4/19/2022	3.21	4/19/2027	105.56965	103.9030928	102.271049	100.6725159	99.10652588	97.57214864	96.06848924	94.59468648	93.14991122
220420A00032	4/20/2022	3.26	10/16/2026	103.7192	102.5676164	101.4416128	100.3403404	99.26299014	98.20878821	97.17699372	96.16689717	95.17781875
220420A00033	4/20/2022	3.29	4/20/2027	105.71296	104.0423473	102.4063754	100.8040287	99.23433485	97.6963592	96.18920256	94.71199974	93.26391782
220420A00034	6/15/2022	3.3	6/15/2027	106.32844	104.4972663	102.7066446	100.955377	99.24231076	97.56633687	95.92638788	94.32143595	92.75049101
220420A00037	6/15/2022	3.3	6/15/2027	106.32844	104.4972663	102.7066446	100.955377	99.24231076	97.56633687	95.92638788	94.32143595	92.75049101
220420A00061	6/15/2022	3.3	6/15/2027	106.32844	104.4972663	102.7066446	100.955377	99.24231076	97.56633687	95.92638788	94.32143595	92.75049101
220421A00012	4/21/2022	3.31	4/21/2026	102.04957	101.400292	100.7592815	100.12638	99.50143395	98.88429396	98.27481424	97.67285262	97.07827044
220421A00013	4/21/2022	3.33	9/15/2026	103.4646	102.4011701	101.3596072	100.3392429	99.33943447	98.35956464	97.39904079	96.45729357	95.53377581
220421A00016	4/21/2022	3.31	4/21/2026	102.04957	101.400292	100.7592815	100.12638	99.50143395	98.88429396	98.27481424	97.67285262	97.07827044

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220422A00014	4/22/2022	3.36	9/29/2026	103.64561	102.542031	101.461951	100.404624	99.36933629	98.35540383	97.36217061	96.38900722	95.43530958
220425A00026	4/25/2022	3.13	2/25/2026	101.47071	100.9754053	100.4849278	99.99921181	99.51818836	99.04178962	98.56994914	98.1026017	97.63968333
220425A00027	4/29/2022	3.15	8/20/2026	103.0198	102.0311833	101.0615393	100.1103248	99.17701765	98.26111526	97.36213367	96.47960676	95.6130854
220425A00028	4/29/2022	3.16	4/23/2027	105.52888	103.8513985	102.2088164	100.6001116	99.02430004	97.48043621	95.96761059	94.48494824	93.03160701
220426A00004	4/26/2022	3.41	4/26/2032	122.05679	114.8973629	108.21502	101.9753096	96.14645193	90.69911383	85.60620785	80.84270876	76.38548606
220427A00011	4/29/2022	3.15	4/29/2027	105.57506	103.8802635	102.2209634	100.596111	99.00469743	97.44575335	95.91834687	94.4215818	92.95459593
220428A00019	4/28/2022	3.27	4/28/2027	105.76626	104.0726155	102.414405	100.7905773	99.20012682	97.64208729	96.11552983	94.61956108	93.15332145
220429A00002	4/29/2022	3.63	4/29/2032	123.56626	116.3485361	109.6113701	103.3200639	97.44260535	91.94944823	86.81330913	82.00898261	77.51317229
220506A00016	5/6/2022	3.35	5/6/2027	105.98696	104.2693988	102.5880993	100.9419793	99.32999835	97.75115727	96.20449598	94.68909163	93.20405672
220509A00013	7/15/2022	3.37	7/15/2027	106.77922	104.8604879	102.9858879	101.1541416	99.36401857	97.61433141	95.90393425	94.23172097	92.59662348
220509A00014	7/15/2022	3.37	7/15/2027	106.77922	104.8604879	102.9858879	101.1541416	99.36401857	97.61433141	95.90393425	94.23172097	92.59662348
220509A00016	7/15/2022	3.37	7/15/2027	106.77922	104.8604879	102.9858879	101.1541416	99.36401857	97.61433141	95.90393425	94.23172097	92.59662348
220510A00015	5/13/2022	3.13	11/3/2025	100.49461	100.3168811	100.1397861	99.96331947	99.78747792	99.6122581	99.43765671	99.26367047	99.09029611
220510A00016	5/13/2022	3.23	5/5/2027	105.77225	104.059302	102.3824796	100.7407074	99.13295004	97.55821334	96.01554189	94.50401727	93.02275621
220511A00015	5/11/2022	3.29	5/11/2027	105.93746	104.2067	102.5127031	100.85436	99.23060891	97.64043053	96.08284575	94.55691372	93.06172994
220512A00013	5/12/2022	3.18	5/12/2027	105.75884	104.0269396	102.331874	100.6725309	99.04784497	97.45679349	95.89839423	94.37170338	92.87581365
220518A00009	5/18/2022	3.38	5/18/2028	109.96441	107.1482318	104.419187	101.7740111	99.20958274	96.72292026	94.31117434	91.97162097	89.7016549
220519A00010	5/19/2022	3.15	11/19/2026	103.94619	102.6979826	101.479741	100.2903987	99.12893566	97.99437944	96.88580233	95.80231888	94.74308352
220520A00006	5/20/2022	3.02	5/20/2027	105.74743	103.9771965	102.2461608	100.553182	98.89716087	97.27703863	95.69179508	94.14044691	92.62204604
220526A00010	5/26/2022	3	5/26/2026	102.13366	101.3872992	100.6518407	99.92704558	99.21268297	98.50852872	97.81436504	97.12998029	96.45516881
220526A00011	5/26/2022	3.29	5/24/2029	113.27274	109.3564702	105.5984513	101.9913623	98.52826565	95.20258663	92.00809215	88.93887053	85.98931279
220527A00014	5/27/2022	2.99	5/27/2026	102.13438	101.3852491	100.6471008	99.91969245	99.20279072	98.49616913	97.79960762	97.11289241	96.43581572
220527A00015	5/27/2022	3.03	5/27/2027	105.64808	103.8762997	102.1428734	100.4466199	98.78640833	97.16115416	95.56981673	94.01139707	92.48493575
220601A00038	6/3/2022	3.69	5/28/2032	124.16163	116.8436728	110.0176188	103.6476007	97.70055773	92.14600185	86.95580376	82.10399798	77.56660503
220602A00039	6/2/2022	3.11	6/2/2027	105.97702	104.1834395	102.4289947	100.7124772	99.03273335	97.38865645	95.77918459	94.20329816	92.66001777
220615A00010	6/15/2022	3.86	6/15/2027	107.34447	105.503813	103.7038845	101.943482	100.2214481	98.53666893	96.88807273	95.27462733	93.69533855
220622A00006	6/22/2022	3.58	6/22/2027	106.91779	105.061312	103.2462826	101.4715008	99.73580967	98.03809467	96.37728108	94.75233256	93.16224936
220623A00005	6/23/2022	3.45	6/23/2027	106.69065	104.8334836	103.017843	101.2425248	99.50637321	97.80827402	96.1471529	94.52197358	92.93173616
220624A00003	6/24/2022	3.5	6/24/2027	106.79388	104.9329105	103.113599	101.3347418	99.59518232	97.89380541	96.22953559	94.6013352	93.00820283
220624A00016	6/24/2022	3.34	6/24/2026	102.71406	101.8841787	101.0677117	100.2643332	99.47373021	98.69559947	97.92964731	97.17558925	96.43314958
220624A00033	6/24/2022	3.5	6/24/2027	106.79388	104.9329105	103.113599	101.3347418	99.59518232	97.89380541	96.22953559	94.6013352	93.00820283
220627A00055	6/27/2022	3.55	6/26/2026	102.84901	102.0137649	101.1920858	100.3836487	99.58813499	98.80523648	98.03465461	97.27610021	96.52929307
220628A00034	6/28/2022	3.61	6/28/2027	107.04304	105.168384	103.3358889	101.5443493	99.79260641	98.0795419	96.40407616	94.7651667	93.16180657

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220628A00044	8/15/2022	3.6	8/13/2027	107.5381	105.5324744	103.574706	101.6633602	99.79705262	97.97444971	96.19426632	94.4552637	92.75624752
220628A00052	8/15/2022	3.6	8/13/2027	107.5381	105.5324744	103.574706	101.6633602	99.79705262	97.97444971	96.19426632	94.4552637	92.75624752
220628A00053	8/15/2022	3.6	8/13/2027	107.5381	105.5324744	103.574706	101.6633602	99.79705262	97.97444971	96.19426632	94.4552637	92.75624752
220629A00003	6/29/2022	3.59	6/29/2027	107.01767	105.1404313	103.3054552	101.5115451	99.75754206	98.04232733	96.36482066	94.72397869	93.11879341
220629A00034	6/29/2022	3.51	6/29/2027	103.43752	102.4602032	101.5012554	100.5601556	99.63640547	98.72952532	97.83905354	96.96454556	96.10557311
220630A00036	6/30/2022	3.42	6/30/2027	106.71378	104.8365999	103.0017509	101.2080297	99.45427873	97.73938014	96.06225424	94.421858	92.81718353
220630A00045	6/30/2022	3.39	6/30/2026	102.75409	101.9081805	101.0761879	100.2577737	99.45260744	98.66036944	97.88075007	97.11344957	96.35817761
220701A00050	7/1/2022	3.26	7/1/2027	106.42703	104.5498678	102.7150985	100.9215203	99.16797199	97.4533326	95.7765194	94.13648648	92.53222325
220706A00032	7/6/2022	3.15	7/6/2027	106.40664	104.5136106	102.66366	100.8555578	99.08811561	97.36018599	95.67066123	94.01847157	92.40258365
220712A00016	7/15/2022	3.35	1/15/2026	101.19716	100.8160919	100.4379043	100.0625657	99.69004367	99.32030654	98.953323	98.58906224	98.2274939
220715A00001	7/15/2022	3.44	7/15/2027	106.91208	104.9920538	103.1161846	101.2831931	99.49184801	97.74096146	96.0293869	94.3560176	92.71978492
220715A00027	7/15/2022	3.44	7/15/2027	106.91208	104.9920538	103.1161846	101.2831931	99.49184801	97.74096146	96.0293869	94.3560176	92.71978492
220715A00047	7/15/2022	3.44	7/15/2027	106.91208	104.9920538	103.1161846	101.2831931	99.49184801	97.74096146	96.0293869	94.3560176	92.71978492
220719A00004	7/19/2022	3.46	7/19/2027	106.99325	105.0615022	103.1744072	101.3306675	99.52903138	97.76829181	96.04728395	94.36488358	92.72000544
220722A00044	9/1/2022	3.23	9/1/2027	106.99601	104.9437812	102.9417229	100.9882918	99.08200172	97.22142268	95.40517795	93.63194184	91.90043737
220722A00049	9/15/2022	3.25	9/15/2025	100.11938	100.077708	100.0360853	99.99451374	99.95299336	99.91152399	99.87010556	99.82873795	99.78742107
220722A00050	9/15/2022	3.25	9/15/2025	100.11938	100.077708	100.0360853	99.99451374	99.95299336	99.91152399	99.87010556	99.82873795	99.78742107
220722A00051	9/15/2022	3.23	9/15/2027	107.14039	105.0470463	103.0054985	101.0141233	99.07136255	97.175718	95.32574848	93.52006725	91.75733956
220727A00004	7/27/2022	3.23	7/27/2027	106.63545	104.6853671	102.7808441	100.9205425	99.10317257	97.3274908	95.59229778	93.89643639	92.23878994
220727A00027	7/27/2022	3.23	7/27/2027	106.63545	104.6853671	102.7808441	100.9205425	99.10317257	97.3274908	95.59229778	93.89643639	92.23878994
220727A00035	10/24/2022	3.33	10/24/2029	114.86253	110.4835653	106.298332	102.297178	98.4709877	94.81114969	91.30952574	87.95842189	84.75056156
220729A00035	8/3/2022	3.14	8/3/2027	106.53047	104.5623291	102.6405918	100.7638829	98.93087726	97.14029743	95.3909118	93.68153258	92.01101392
220729A00043	7/29/2022	3.04	7/29/2027	106.28774	104.3356479	102.4292948	100.5673327	98.74846359	96.9714362	95.23504357	93.53812146	91.87954644
220729A00045	7/29/2022	3.03	7/29/2027	106.26837	104.3164698	102.4103053	100.5485282	98.72984075	96.95299153	95.21677377	93.52002331	91.86161683
220729A00047	7/29/2022	3.06	1/29/2027	104.51151	103.0807135	101.6765568	100.2983582	98.94546089	97.61722934	96.31304903	95.03232538	93.77448295
220801A00066	8/1/2022	2.93	7/30/2027	106.29698	104.3173033	102.3856583	100.5005672	98.66061241	96.86442937	95.11070451	93.39817282	91.72561569
220802A00009	8/2/2022	3	8/2/2027	106.24799	104.2853944	102.3690251	100.4975121	98.66953678	96.88382836	95.13916135	93.43435384	91.76826561
220804A00023	8/4/2022	3.19	8/4/2027	106.63789	104.6659493	102.7405552	100.8603294	99.0239405	97.2301057	95.47758798	93.76519449	92.09177453
220808A00025	8/8/2022	3.25	8/6/2027	106.7752	104.7964217	102.864469	100.97795	99.13552199	97.33589127	95.57781053	93.86007708	92.1815309
220812A00001	8/12/2022	3.17	8/12/2027	106.81934	104.8210748	102.8705113	100.9662168	99.10681199	97.29096788	95.51740394	93.78488582	92.09222337
220812A00002	8/12/2022	3.17	8/12/2027	106.81934	104.8210748	102.8705113	100.9662168	99.10681199	97.29096788	95.51740394	93.78488582	92.09222337
220816A00009	8/16/2022	3.33	8/16/2027	107.0346	105.0258633	103.0652681	101.1513631	99.28275017	97.45808291	95.67606392	93.93544288	92.23501442
220817A00036	10/14/2022	3.41	10/15/2027	107.83093	105.6464689	103.5174773	101.4421624	99.41880122	97.44574008	95.5213908	93.64422775	91.8127848

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220817A00037	10/14/2022	3.41	10/15/2027	107.83093	105.6464689	103.5174773	101.4421624	99.41880122	97.44574008	95.5213908	93.64422775	91.8127848
220817A00038	10/14/2022	3.41	10/15/2027	107.83093	105.6464689	103.5174773	101.4421624	99.41880122	97.44574008	95.5213908	93.64422775	91.8127848
220817A00047	8/17/2022	3.29	8/17/2027	107.10843	105.093528	103.1270186	101.2074415	99.33338837	97.50350287	95.71647835	93.97105561	92.26602086
220819A00034	8/19/2022	3.73	8/19/2032	124.98473	117.4068542	110.3534214	103.7851934	97.66606401	91.96279592	86.64477846	81.68380749	77.05388453
220823A00002	8/23/2022	3.38	8/23/2027	107.35133	105.3174703	103.3328219	101.3958875	99.50522418	97.65944291	95.85720582	94.0972241	92.37825579
220823A00009	8/23/2022	3.52	8/23/2027	107.48776	105.4552085	103.471788	101.5359996	99.6464043	97.80161667	96.00030224	94.24117543	92.52299734
220823A00015	8/23/2022	3.78	8/30/2032	125.41236	117.7891236	110.6952871	104.0910932	97.93997207	92.2082705	86.86500508	81.88163736	77.23186905
220825A00006	8/25/2022	3.56	8/25/2027	107.58985	105.5507595	103.5610779	101.6192939	99.72395681	97.87367011	96.06708877	94.30291719	92.57990692
220829A00057	8/29/2022	3.67	8/31/2026	103.65033	102.6277211	101.6253001	100.6424738	99.67867166	98.73334499	97.80596599	96.89602683	96.00303867
220830A00055	8/30/2022	3.7	8/30/2029	115.85074	111.6082297	107.5476681	103.6602669	99.93770894	96.37212172	92.95605094	89.68243607	86.54458743
220830A00093	11/16/2022	3.69	11/16/2029	116.62071	112.1389933	107.8576776	103.766657	99.85639527	96.11789132	92.54264537	89.12262796	85.850251
220901A00033	9/1/2022	3.72	9/1/2027	107.99164	105.9290698	103.9168733	101.953502	100.0374639	98.16732383	96.34169972	94.5592609	92.81872555
220901A00035	9/1/2022	3.82	9/1/2028	112.34097	109.1938377	106.1529277	103.2140558	100.3732281	97.62663088	94.97062101	92.40171737	89.91659265
220906A00046	9/6/2022	3.79	9/7/2027	108.20512	106.1232751	104.0925317	102.1113046	100.1780705	98.29136418	96.44977526	94.65194626	92.89656998
220907A00010	9/7/2022	3.9	9/9/2032	126.89415	119.1687218	111.9814093	105.2916637	99.06219752	93.25870841	87.84962507	82.80587651	78.10068175
220907A00023	9/7/2022	3.76	9/8/2026	103.83571	102.7897442	101.7648846	100.7604932	99.77596058	98.81070135	97.86415297	96.9357746	96.02504612
220912A00044	11/15/2022	3.85	11/14/2025	100.7347	100.5262107	100.318599	100.1118584	99.90598339	99.7009684	99.49680799	99.29349677	99.09102937
220912A00046	11/15/2022	3.85	11/14/2025	100.7347	100.5262107	100.318599	100.1118584	99.90598339	99.7009684	99.49680799	99.29349677	99.09102937
220912A00050	11/15/2022	3.76	11/15/2027	108.94007	106.6565259	104.4326389	102.2664094	100.1559237	98.09934823	96.09492514	94.14096873	92.23586168
220912A00051	11/15/2022	3.76	11/15/2027	108.94007	106.6565259	104.4326389	102.2664094	100.1559237	98.09934823	96.09492514	94.14096873	92.23586168
220913A00017	9/13/2022	3.98	9/14/2026	104.1378	103.0733688	102.0307465	101.0092669	100.0082908	99.02720452	98.06541869	97.122367	96.19750516
220913A00018	9/13/2022	3.91	9/13/2027	108.52422	106.421947	104.3715287	102.3713461	100.4198431	98.51552367	96.65694829	94.84273181	93.07154083
220915A00040	9/15/2022	4.16	9/15/2025	100.15784	100.1161321	100.0744768	100.0328728	99.99131996	99.94981819	99.90836739	99.86696746	99.8256183
220916A00018	9/16/2022	4.07	9/16/2027	108.61821	106.5648805	104.5628408	102.6104383	100.7060897	98.84827478	97.03553377	95.26646406	93.53971769
220916A00021	9/16/2022	4.17	9/16/2027	104.64864	103.538108	102.4497685	101.3829846	100.3371408	99.31164459	98.30592557	97.31943445	96.35164203
220916A00042	9/16/2022	4.07	9/16/2030	121.89252	116.4006996	111.1955644	106.260571	101.5802158	97.13996756	92.92620085	88.92613476	85.12777617
220916A00043	9/16/2022	4.07	9/16/2031	125.23792	118.5949253	112.3573596	106.4982111	100.9924053	95.81665956	90.94934531	86.37036262	82.06102418
220916A00045	9/16/2022	4.1	9/16/2032	128.38343	120.5858206	113.3316264	106.5798471	100.2927861	94.43576911	88.97688723	83.88676241	79.13833435
220919A00033	9/19/2022	4	9/17/2027	108.75996	106.6437881	104.5799848	102.5669052	100.6029714	98.68666617	96.81653042	94.99116024	93.20920449
220919A00036	9/19/2022	4.11	9/19/2029	117.32151	113.0834396	109.0292172	105.1497883	101.4365953	97.88155002	94.47700502	91.21572695	88.09087155
220920A00024	9/20/2022	4.25	9/19/2025	100.20341	100.1505833	100.0978272	100.0451418	99.9925271	99.93998283	99.88750889	99.83510513	99.7827714
220920A00025	9/20/2022	4.23	9/18/2026	104.45313	103.3757022	102.3205709	101.287045	100.2744647	99.28219708	98.30963431	97.35619274	96.42131156
220920A00026	9/20/2022	4.1	9/20/2027	109.00584	106.8784962	104.8039165	102.780443	100.8064806	98.88049599	97.00101475	95.16661847	93.37594228

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
220921A00014	9/21/2022	4.08	9/21/2027	108.97683	106.8469377	104.7699199	102.7441133	100.7679177	98.83979501	96.95826636	95.12190905	93.32935416
220921A00069	9/21/2022	3.98	9/21/2027	108.91963	106.787445	104.708252	102.6803766	100.7022139	98.77222124	96.88891542	95.05086972	93.25671137
220921A00074	9/21/2022	3.98	9/21/2027	108.91963	106.787445	104.708252	102.6803766	100.7022139	98.77222124	96.88891542	95.05086972	93.25671137
220929A00041	9/29/2022	4.38	9/29/2027	109.71136	107.5506956	105.4440022	103.3895675	101.3857447	99.43095168	97.52366767	95.66243049	93.84583372
220929A00043	9/29/2022	4.44	9/28/2029	119.23145	114.8355949	110.6304575	106.6066978	102.7554845	99.0684663	95.53774292	92.15583796	88.91567381
220929A00063	9/29/2022	4.38	9/29/2027	109.71136	107.5506956	105.4440022	103.3895675	101.3857447	99.43095168	97.52366767	95.66243049	93.84583372
221005A00041	10/5/2022	4.3	10/5/2027	109.62011	107.4437151	105.3219877	103.2531794	101.2356114	99.26767127	97.34780981	95.47453786	93.64642355
221006A00012	10/6/2022	4.37	10/6/2027	109.78203	107.6011086	105.4750094	103.4019775	101.3803277	99.40844158	97.48476393	95.60780017	93.77611325
221011A00036	10/11/2022	4.59	10/6/2026	105.09173	103.9599954	102.8527342	101.7691567	100.7085077	99.67006369	98.65313151	97.65704656	96.68117137
221014A00026	10/14/2022	4.63	10/14/2027	110.4459	108.2355173	106.0810713	103.9807525	101.9328271	99.93563095	97.98756577	96.08709608	94.23274617
221014A00027	10/14/2022	4.63	10/14/2027	110.4459	108.2355173	106.0810713	103.9807525	101.9328271	99.93563095	97.98756577	96.08709608	94.23274617
221014A00032	10/14/2022	4.67	10/14/2027	110.20797	108.060359	105.9677831	103.9284121	101.9404974	100.0023624	98.11239993	96.26906796	94.47088674
221014A00043	10/14/2022	4.49	10/14/2027	110.30189	108.0900484	105.9342369	103.8326476	101.7835423	99.78525231	97.8361752	95.93477155	94.07956193
221014A00050	10/14/2022	4.49	10/14/2027	110.30189	108.0900484	105.9342369	103.8326476	101.7835423	99.78525231	97.8361752	95.93477155	94.07956193
221018A00006	10/18/2022	4.55	10/18/2027	110.32794	108.107731	105.9439118	103.8346568	101.7782107	99.77288881	97.81707368	95.90921165	94.04780991
221018A00007	10/18/2022	4.68	10/18/2027	105.51587	104.3376643	103.1836125	102.0530105	100.9451784	99.85946251	98.79523344	97.75188541	96.728835
221018A00030	10/18/2022	4.71	10/17/2025	100.56549	100.434808	100.3044823	100.1745109	100.0448923	99.91562492	99.78670737	99.65813818	99.52991589
221018A00031	10/18/2022	4.71	10/17/2025	100.56549	100.434808	100.3044823	100.1745109	100.0448923	99.91562492	99.78670737	99.65813818	99.52991589
221018A00047	10/18/2022	4.78	10/20/2025	100.61209	100.4730415	100.3343886	100.196133	100.0582728	99.9208064	99.78373201	99.64704795	99.5107525
221018A00048	10/18/2022	4.71	10/19/2026	105.41789	104.2475291	103.1032767	101.9842658	100.8896661	99.8186836	98.77055832	97.74456267	96.73999965
221018A00049	10/18/2022	4.59	10/18/2027	110.41447	108.193301	106.0285482	103.9183783	101.8610357	99.85483502	97.89815836	95.98945159	94.12722142
221019A00008	10/19/2022	4.8	10/17/2025	100.57723	100.4465414	100.316204	100.1862209	100.0565906	99.92731159	99.79838241	99.66980161	99.54156773
221019A00009	10/19/2022	4.8	10/17/2025	100.57723	100.4465414	100.316204	100.1862209	100.0565906	99.92731159	99.79838241	99.66980161	99.54156773
221025A00027	10/25/2022	4.57	10/25/2027	110.46645	108.2252213	106.0412702	103.9127289	101.8378016	99.81476552	97.84196719	95.91781899	94.040796
221027A00009	10/27/2022	4.68	10/27/2025	100.68369	100.5251231	100.367064	100.2095078	100.0524519	99.8958941	99.7398319	99.58426299	99.42918501
221027A00050	10/27/2022	4.52	10/27/2027	110.38426	108.1383702	105.9499899	103.8172354	101.7383001	99.71145105	97.73502506	95.80742546	93.92711876
221027A00056	4/25/2023	4.48	4/25/2030	121.96533	116.8995697	112.0794716	107.4917269	103.1238275	98.96400914	95.00120306	91.22499072	87.62556185
221027A00060	12/1/2022	4.46	12/1/2027	110.72485	108.3751085	106.0876093	103.8602394	101.6909745	99.57787656	97.51908892	95.51283219	93.55740025
221027A00061	12/15/2022	4.45	12/15/2027	110.88462	108.4941242	106.1678072	103.9035291	101.6992361	99.55295754	97.46280184	95.42695286	93.4436661
221027A00062	12/15/2022	4.45	12/15/2027	110.88462	108.4941242	106.1678072	103.9035291	101.6992361	99.55295754	97.46280184	95.42695286	93.4436661
221027A00063	12/15/2022	4.45	12/15/2027	110.88462	108.4941242	106.1678072	103.9035291	101.6992361	99.55295754	97.46280184	95.42695286	93.4436661
221031A00004	10/31/2022	4.79	10/28/2025	100.71361	100.552234	100.3913775	100.2310396	100.0712177	99.91190936	99.75311215	99.59482357	99.4370412
221031A00033	10/31/2022	4.74	10/31/2025	100.74269	100.5729402	100.4037611	100.2351485	100.0670996	99.89961169	99.73268196	99.56630764	99.40048598

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221031A00035	10/31/2022	4.67	10/30/2026	105.53373	104.3315485	103.1568732	102.0087644	100.886327	99.78870557	98.71508253	97.66467578	96.63673691
221031A00036	10/31/2022	4.59	10/29/2027	110.56476	108.3112865	106.1156078	103.9758299	101.8901335	99.85677379	97.87407632	95.94043383	94.05430276
221031A00042	10/31/2022	4.73	10/30/2026	105.60451	104.4018907	103.2267788	102.0782404	100.95538	99.85734215	98.78330907	97.73249848	96.70416184
221031A00045	10/31/2022	4.79	10/31/2025	100.75116	100.5813976	100.4122078	100.2435845	100.075525	99.9080265	99.74108619	99.57470132	99.40886914
221102A00026	11/2/2022	4.66	11/2/2027	110.7742	108.5070658	106.2982912	104.1459502	102.0481986	100.0032676	98.00946041	96.06514851	94.16876837
221107A00029	11/7/2022	4.83	11/9/2026	105.87213	104.6395854	103.4358939	102.2600446	101.1110776	99.98807692	98.8901675	97.81651347	96.76631568
221107A00030	11/7/2022	4.7	11/5/2027	110.90496	108.6277495	106.4093265	104.2477438	102.1411376	100.0877207	98.08577907	96.13366776	94.2298078
221107A00056	11/7/2022	4.73	11/8/2027	111.01417	108.727119	106.4992746	104.3286741	102.213434	100.1517489	98.14188735	96.18218816	94.27105691
221108A00033	11/8/2022	4.7	11/8/2027	110.94752	108.6612207	106.4341138	104.2642357	102.1497033	100.0887117	98.07952984	96.12049689	94.21001881
221108A00036	11/8/2022	4.95	11/7/2025	100.871	100.681717	100.4931496	100.3052977	100.1181573	99.93172441	99.74599487	99.56096468	99.37662984
221110A00024	11/10/2022	4.51	11/10/2025	100.82402	100.626485	100.4297381	100.2337725	100.0385836	99.8441668	99.65051735	99.45763069	99.26550225
221110A00025	11/10/2022	4.39	11/10/2026	105.35452	104.1224772	102.9193588	101.7441553	100.5959018	99.47367718	98.37660231	97.30383706	96.25457846
221110A00026	11/10/2022	4.29	11/10/2027	110.06271	107.7806843	105.557913	103.3924226	101.2823236	99.22580452	97.2211288	95.26663031	93.36071013
221110A00038	11/10/2022	4.34	11/10/2027	110.17407	107.8907878	105.6667814	103.5000813	101.3887971	99.33111674	97.3253029	95.36968881	93.46267493
221110A00039	11/10/2022	4.34	11/10/2027	110.17407	107.8907878	105.6667814	103.5000813	101.3887971	99.33111674	97.3253029	95.36968881	93.46267493
221110A00064	1/17/2023	4.25	1/14/2028	110.7926	108.3199173	105.915648	103.5775226	101.3033568	99.09105107	96.93858725	94.84402459	92.80549642
221110A00065	1/17/2023	4.25	1/14/2028	110.7926	108.3199173	105.915648	103.5775226	101.3033568	99.09105107	96.93858725	94.84402459	92.80549642
221110A00075	11/10/2022	4.56	11/10/2025	100.83387	100.6363277	100.4395673	100.2435884	100.0483862	99.85395606	99.66029337	99.46739349	99.27525189
221110A00076	11/10/2022	4.45	11/10/2026	105.42714	104.1946315	102.9910551	101.8154009	100.6667038	99.5440427	98.44653817	97.37334992	96.3236748
221110A00084	11/10/2022	4.56	11/6/2025	100.78521	100.5988026	100.4130954	100.2280818	100.0437579	99.86011976	99.67716358	99.4948855	99.31328172
221110A00086	11/10/2022	4.34	11/8/2027	110.14771	107.8704421	105.6521848	103.4909752	101.3849355	99.33226572	97.33123981	95.38020162	93.47756165
221110A00108	11/10/2022	4.48	12/10/2025	101.18022	100.8989532	100.6192616	100.3411325	100.0645528	99.78950954	99.51598977	99.24398078	98.97346999
221110A00110	11/10/2022	4.47	1/13/2026	101.59809	101.2216552	100.8480204	100.4771577	100.1090362	99.74362543	99.38089535	99.02081642	98.66335949
221114A00002	11/14/2022	4.37	11/15/2027	110.30723	108.0081172	105.7689799	103.5878137	101.4626959	99.39178386	97.37331141	95.40558466	93.48697842
221116A00027	11/16/2022	4.46	11/14/2025	100.86172	100.6530482	100.4452571	100.2383376	100.0322842	99.82709146	99.62275385	99.41926597	99.21662248
221117A00012	11/17/2022	4.54	11/14/2025	100.87837	100.6696827	100.461868	100.254925	100.0488483	99.84363219	99.63927134	99.43576029	99.23309371
221117A00013	11/17/2022	4.54	11/14/2025	100.87837	100.6696827	100.461868	100.254925	100.0488483	99.84363219	99.63927134	99.43576029	99.23309371
221117A00014	11/17/2022	4.54	11/14/2025	100.87837	100.6696827	100.461868	100.254925	100.0488483	99.84363219	99.63927134	99.43576029	99.23309371
221117A00025	11/17/2022	4.28	11/17/2027	110.13156	107.8287149	105.5860792	103.4016292	101.2734304	99.19962959	97.17845033	95.20818917	93.28721194
221118A00018	11/18/2022	4.55	11/18/2025	100.92901	100.7091533	100.4902688	100.2723488	100.0553868	99.83937653	99.62431163	99.41018584	99.19699296
221118A00019	11/18/2022	4.55	11/18/2025	100.92901	100.7091533	100.4902688	100.2723488	100.0553868	99.83937653	99.62431163	99.41018584	99.19699296
221118A00023	11/18/2022	4.12	11/18/2027	109.94873	107.6418649	105.3954408	103.2074262	101.0758753	98.99892406	96.97478596	95.001748	93.078167
221118A00045	11/18/2022	4.57	11/18/2025	100.9334	100.7135334	100.4946425	100.276716	100.0597476	99.84373094	99.62865967	99.41452754	99.20132833

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221118A00046	11/18/2022	4.4	11/18/2026	105.47663	104.2212389	102.9958487	101.7993933	100.6308549	99.48926299	98.37369167	97.28325699	96.21711472
221118A00080	11/18/2022	4.61	11/18/2025	100.94217	100.7222936	100.5033897	100.2854504	100.0684692	99.85243975	99.63735575	99.42321093	99.20999908
221121A00047	11/21/2022	4.89	11/21/2033	137.53013	128.1709174	119.5510518	111.6074536	104.2827688	97.52481759	91.28610062	85.52335549	80.19715709
221121A00052	11/21/2022	4.35	11/22/2027	110.35491	108.0351789	105.7763843	103.576467	101.433459	99.34547553	97.3107104	95.32743219	93.39398025
221121A00064	11/21/2022	4.34	11/22/2027	110.3323	108.0128305	105.7542902	103.5546219	101.4118578	99.32411329	97.2895823	95.30653355	93.37330653
221122A00029	11/22/2022	4.31	11/22/2027	110.26447	107.9457854	105.688008	103.4890867	101.3470543	99.26002657	97.226198	95.24383765	93.3112854
221122A00040	11/22/2022	4.31	11/22/2027	110.26447	107.9457854	105.688008	103.4890867	101.3470543	99.26002657	97.226198	95.24383765	93.3112854
221123A00016	11/23/2022	4.58	11/23/2029	120.0367	115.5559248	111.2760863	107.1870322	103.279178	99.54347284	95.97136731	92.55478239	89.28608128
221123A00034	11/23/2022	4.43	11/23/2026	105.58279	104.3125874	103.0730661	101.8631256	100.6817145	99.52783066	98.40051852	97.29886626	96.22200344
221123A00039	11/23/2022	4.29	11/23/2027	110.23231	107.91112	105.6509733	103.4498036	101.3056377	99.21658529	97.18083547	95.19665211	93.26237025
221128A00034	11/28/2022	4.27	11/26/2027	110.22601	107.8962966	105.6280271	103.4191195	101.267581	99.17150335	97.12905842	95.13849401	93.19812999
221129A00034	11/29/2022	4.38	12/1/2025	101.06153	100.8051933	100.5501615	100.2964202	100.0439595	99.79276965	99.54284118	99.29416457	99.04673042
221129A00035	11/29/2022	4.09	11/29/2027	110.02095	107.6816916	105.4043823	103.1869168	101.0272776	98.9235334	96.87383437	94.87640779	92.92955424
221129A00037	11/29/2022	4.56	11/26/2025	101.02852	100.7863132	100.54527	100.3053843	100.0666476	99.82905169	99.59258847	99.35724979	99.12302764
221129A00038	11/29/2022	4.56	11/26/2025	101.02852	100.7863132	100.54527	100.3053843	100.0666476	99.82905169	99.59258847	99.35724979	99.12302764
221129A00039	11/29/2022	4.56	11/26/2025	101.02852	100.7863132	100.54527	100.3053843	100.0666476	99.82905169	99.59258847	99.35724979	99.12302764
221129A00040	11/29/2022	4.56	11/26/2025	101.02852	100.7863132	100.54527	100.3053843	100.0666476	99.82905169	99.59258847	99.35724979	99.12302764
221129A00041	11/29/2022	4.56	11/28/2025	101.05285	100.8050485	100.5584621	100.3130828	100.068902	99.82591063	99.58410023	99.34346216	99.10398791
221129A00042	11/29/2022	4.56	11/28/2025	101.05285	100.8050485	100.5584621	100.3130828	100.068902	99.82591063	99.58410023	99.34346216	99.10398791
221129A00043	11/29/2022	4.59	12/1/2025	101.09739	100.8411895	100.5862873	100.3326725	100.0803354	99.82926638	99.57945594	99.33089464	99.08357312
221129A00044	11/29/2022	4.56	11/28/2025	101.05285	100.8050485	100.5584621	100.3130828	100.068902	99.82591063	99.58410023	99.34346216	99.10398791
221129A00045	11/29/2022	4.56	11/28/2025	101.05285	100.8050485	100.5584621	100.3130828	100.068902	99.82591063	99.58410023	99.34346216	99.10398791
221129A00046	11/29/2022	4.56	12/1/2025	101.08973	100.8335401	100.5786508	100.3250488	100.0727245	99.82166826	99.57187051	99.32332184	99.07601292
221129A00047	11/29/2022	4.56	12/1/2025	101.08973	100.8335401	100.5786508	100.3250488	100.0727245	99.82166826	99.57187051	99.32332184	99.07601292
221129A00048	11/29/2022	4.56	12/1/2025	101.08973	100.8335401	100.5786508	100.3250488	100.0727245	99.82166826	99.57187051	99.32332184	99.07601292
221129A00049	11/29/2022	4.56	12/1/2025	101.08973	100.8335401	100.5786508	100.3250488	100.0727245	99.82166826	99.57187051	99.32332184	99.07601292
221129A00050	11/29/2022	4.56	12/2/2025	101.10227	100.8432987	100.585651	100.3293206	100.0742974	99.8205716	99.56813317	99.31697235	99.06707947
221129A00051	11/29/2022	4.56	12/2/2025	101.10227	100.8432987	100.585651	100.3293206	100.0742974	99.8205716	99.56813317	99.31697235	99.06707947
221129A00052	11/29/2022	4.56	12/2/2025	101.10227	100.8432987	100.585651	100.3293206	100.0742974	99.8205716	99.56813317	99.31697235	99.06707947
221129A00053	11/29/2022	4.56	12/2/2025	101.10227	100.8432987	100.585651	100.3293206	100.0742974	99.8205716	99.56813317	99.31697235	99.06707947
221129A00054	11/29/2022	4.56	12/3/2025	101.11482	100.8530567	100.59265	100.3335909	100.0758688	99.81947337	99.56439438	99.3106217	99.05814528
221129A00055	11/29/2022	4.56	12/3/2025	101.11482	100.8530567	100.59265	100.3335909	100.0758688	99.81947337	99.56439438	99.3106217	99.05814528
221129A00056	11/29/2022	4.31	11/29/2027	110.3562	108.0163788	105.7384385	103.5202782	101.3598849	99.25533126	97.20477096	95.20643483	93.25862668

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221129A00059	11/29/2022	4.39	11/27/2026	105.58784	104.3063028	103.0559861	101.8357613	100.6445499	99.48132462	98.34510606	97.23496018	96.14999556
221129A00060	11/29/2022	4.39	11/27/2026	105.58784	104.3063028	103.0559861	101.8357613	100.6445499	99.48132462	98.34510606	97.23496018	96.14999556
221129A00061	11/29/2022	4.39	11/27/2026	105.58784	104.3063028	103.0559861	101.8357613	100.6445499	99.48132462	98.34510606	97.23496018	96.14999556
221129A00062	11/29/2022	4.39	11/27/2026	105.58784	104.3063028	103.0559861	101.8357613	100.6445499	99.48132462	98.34510606	97.23496018	96.14999556
221129A00064	11/29/2022	4.28	11/30/2027	110.30081	107.9587619	105.6787169	103.4585685	101.2962975	99.18997059	97.13773629	95.13782028	93.18852157
221129A00065	11/29/2022	4.28	11/30/2027	110.30081	107.9587619	105.6787169	103.4585685	101.2962975	99.18997059	97.13773629	95.13782028	93.18852157
221129A00066	11/29/2022	4.28	11/29/2027	110.28779	107.9487605	105.6715959	103.4541953	101.2945461	99.19072116	97.14087492	95.14323852	93.19611618
221129A00067	11/29/2022	4.28	11/29/2027	110.28779	107.9487605	105.6715959	103.4541953	101.2945461	99.19072116	97.14087492	95.14323852	93.19611618
221129A00068	11/29/2022	4.28	11/29/2027	110.28779	107.9487605	105.6715959	103.4541953	101.2945461	99.19072116	97.14087492	95.14323852	93.19611618
221129A00069	11/29/2022	4.28	11/26/2027	110.24873	107.9187541	105.6502279	103.4410689	101.2892842	99.19296532	97.15028403	95.15948801	93.21889698
221129A00070	11/29/2022	4.28	11/26/2027	110.24873	107.9187541	105.6502279	103.4410689	101.2892842	99.19296532	97.15028403	95.15948801	93.21889698
221129A00071	11/29/2022	4.28	11/26/2027	110.24873	107.9187541	105.6502279	103.4410689	101.2892842	99.19296532	97.15028403	95.15948801	93.21889698
221129A00072	11/29/2022	4.39	12/2/2026	105.65551	104.3605272	103.0966912	101.8628842	100.6580403	99.48114373	98.33122578	97.20736214	96.10867043
221129A00073	11/29/2022	4.39	12/2/2026	105.65551	104.3605272	103.0966912	101.8628842	100.6580403	99.48114373	98.33122578	97.20736214	96.10867043
221129A00075	11/29/2022	4.38	12/1/2026	105.62958	104.3370287	103.0758641	101.844953	100.6432129	99.46961281	98.32316957	97.20294557	96.10804596
221129A00076	11/29/2022	4.38	12/1/2026	105.62958	104.3370287	103.0758641	101.844953	100.6432129	99.46961281	98.32316957	97.20294557	96.10804596
221129A00077	11/29/2022	4.38	12/1/2026	105.62958	104.3370287	103.0758641	101.844953	100.6432129	99.46961281	98.32316957	97.20294557	96.10804596
221129A00078	11/29/2022	4.38	12/1/2026	105.62958	104.3370287	103.0758641	101.844953	100.6432129	99.46961281	98.32316957	97.20294557	96.10804596
221129A00083	11/29/2022	4.38	11/30/2026	105.61637	104.3261594	103.0675818	101.8394837	100.6407661	99.47038254	98.3273357	97.21067458	96.11949188
221129A00084	11/29/2022	4.38	11/30/2026	105.61637	104.3261594	103.0675818	101.8394837	100.6407661	99.47038254	98.3273357	97.21067458	96.11949188
221129A00085	11/29/2022	4.38	11/30/2026	105.61637	104.3261594	103.0675818	101.8394837	100.6407661	99.47038254	98.3273357	97.21067458	96.11949188
221129A00086	11/29/2022	4.38	11/30/2026	105.61637	104.3261594	103.0675818	101.8394837	100.6407661	99.47038254	98.3273357	97.21067458	96.11949188
221130A00019	11/30/2022	4.63	11/26/2025	101.04543	100.8031933	100.562123	100.3222103	100.0834467	99.84582409	99.60933419	99.37396894	99.13972031
221130A00032	11/30/2022	4.37	11/30/2027	110.5063	108.1618623	105.8794845	103.6570518	101.4925434	99.38402495	97.32964346	95.32762336	93.37626244
221130A00033	11/30/2022	4.37	11/30/2027	110.5063	108.1618623	105.8794845	103.6570518	101.4925434	99.38402495	97.32964346	95.32762336	93.37626244
221130A00069	11/30/2022	4.15	11/30/2027	110.17076	107.8268902	105.5451438	103.3234063	101.1596528	99.0519448	96.99842571	94.99731645	93.04691157
221130A00075	11/30/2022	4.15	11/30/2027	110.17076	107.8268902	105.5451438	103.3234063	101.1596528	99.0519448	96.99842571	94.99731645	93.04691157
221130A00076	11/30/2022	4.15	11/30/2027	110.17076	107.8268902	105.5451438	103.3234063	101.1596528	99.0519448	96.99842571	94.99731645	93.04691157
221130A00081	11/30/2022	4.15	11/30/2027	110.17076	107.8268902	105.5451438	103.3234063	101.1596528	99.0519448	96.99842571	94.99731645	93.04691157
221130A00085	11/30/2022	4.19	11/30/2027	110.09533	107.7556615	105.4779494	103.2600853	101.1000515	98.99591623	96.94582913	94.9480172	93.0007807
221130A00110	11/30/2022	4.15	11/30/2027	110.004	107.6653946	105.3887193	103.1718706	101.0128311	98.90966984	96.86053705	94.86366028	92.91734031
221201A00011	12/1/2022	3.95	12/1/2027	109.72561	107.3841417	105.1048205	102.8855354	100.7242628	98.6190649	96.56808571	94.56954644	92.6217417
221201A00043	12/1/2022	4.37	12/3/2029	110.73059	108.2781914	105.9092361	103.6201874	101.4076815	99.26852113	97.19966604	95.19822411	93.26144318

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221201A00068	12/1/2022	4.21	12/1/2027	109.75519	107.4985574	105.3024109	103.1647803	101.0837705	99.05755905	97.08439298	95.16258558	93.29051362
221202A00018	12/2/2022	4.16	12/2/2027	110.0513	107.7066141	105.4241384	103.2017651	101.0374727	98.92932557	96.87546897	94.87412525	92.92358973
221202A00025	12/2/2022	4.06	12/2/2026	105.32646	104.0322671	102.7692456	101.5362716	100.3322777	99.15624645	98.00720778	96.88423612	95.78644788
221205A00024	12/5/2022	4.13	12/3/2027	109.99479	107.6479939	105.3635301	103.1392878	100.973244	98.86346124	96.80808285	94.80532903	92.85349285
221205A00048	12/5/2022	4.4	12/5/2025	101.09727	100.8300025	100.5641501	100.2997058	100.0366581	99.77499605	99.51470866	99.25578505	98.99821449
221205A00088	12/5/2022	4.13	12/3/2027	109.99479	107.6479939	105.3635301	103.1392878	100.973244	98.86346124	96.80808285	94.80532903	92.85349285
221206A00025	12/6/2022	4.27	12/4/2026	105.52875	104.2301061	102.9621088	101.7236719	100.5137632	99.33139813	98.17563737	97.04558397	95.94038109
221206A00036	12/6/2022	4.13	12/6/2027	110.03124	107.6757228	105.3829484	103.1508026	100.9772564	98.86036529	96.79826537	94.78916908	92.83136142
221206A00039	12/6/2022	4.29	12/7/2026	105.59318	104.2873378	103.0114124	101.7643737	100.5452395	99.35307193	98.18697524	97.0460931	95.92960665
221207A00009	12/7/2022	4.38	12/8/2025	101.12809	100.852453	100.578332	100.3057112	100.0345781	99.76492044	99.49672623	99.22998346	98.96468028
221207A00010	12/7/2022	4.08	12/7/2027	109.92826	107.5711758	105.2769477	103.0434567	100.8686725	98.75064913	96.68752095	94.67749853	92.71886483
221207A00012	12/7/2022	4.21	12/7/2026	105.49035	104.1852035	102.9099637	101.6635989	100.4451272	99.25361117	98.0881552	96.94790334	95.832037
221207A00017	12/7/2022	3.86	12/7/2027	109.58934	107.2328519	104.9392899	102.7065296	100.5325362	98.41535994	96.35313136	94.34405753	92.38641811
221207A00032	12/7/2022	4.52	12/7/2032	131.13565	123.0448706	115.5301597	108.5470719	102.0548276	96.01599141	90.39618092	85.16380185	80.28980785
221207A00035	12/7/2022	4.31	1/7/2026	101.46592	101.1064157	100.7494635	100.3950402	100.0431188	99.69367287	99.3466762	99.00210302	98.65992792
221208A00001	12/8/2022	4.6	12/8/2033	135.25295	125.9370223	117.3626947	109.4663297	102.1900855	95.48136228	89.29230077	83.57933132	78.30276787
221208A00005	12/8/2022	4.88	12/8/2037	148.71175	134.6384221	122.1298293	110.9998685	101.0856323	92.24440424	84.35105514	77.2957874	70.98217915
221208A00006	12/8/2022	4.88	12/8/2037	148.71175	134.6384221	122.1298293	110.9998685	101.0856323	92.24440424	84.35105514	77.2957874	70.98217915
221208A00020	12/8/2022	4.11	12/8/2027	110.00944	107.6486364	105.3508477	103.1139488	100.9359068	98.81477285	96.74867848	94.73583118	92.77451075
221208A00050	12/8/2022	4.11	12/8/2027	110.00944	107.6486364	105.3508477	103.1139488	100.9359068	98.81477285	96.74867848	94.73583118	92.77451075
221208A00051	2/15/2023	4.27	2/13/2026	101.89216	101.4289503	100.9699623	100.5151396	100.0644255	99.61776439	99.17510166	98.73638361	98.30155756
221208A00052	2/15/2023	4.01	2/15/2028	110.59841	108.0366392	105.5482283	103.1306496	100.7814818	98.49840099	96.27917679	94.12166752	92.02381625
221208A00054	2/1/2023	4.02	2/1/2028	110.45032	107.9317865	105.4842754	103.1053819	100.7927972	98.54430402	96.35777243	94.23115599	92.16248787
221208A00061	12/8/2022	4.11	12/8/2027	110.00944	107.6486364	105.3508477	103.1139488	100.9359068	98.81477285	96.74867848	94.73583118	92.77451075
221208A00062	12/8/2022	4.24	12/8/2028	114.82892	111.3624829	108.0208886	104.7988902	101.6915003	98.69397171	95.80178479	93.01063441	90.31641853
221208A00110	12/8/2022	4.07	12/8/2027	109.91722	107.5574959	105.2607635	103.0248988	100.8478696	98.72772762	96.66260503	94.6507099	92.69032259
221209A00035	12/9/2022	3.91	12/9/2027	109.72806	107.3644114	105.0639929	102.8246765	100.6444224	98.52127527	96.45336007	94.43887781	92.47610199
221209A00037	12/9/2022	3.91	12/9/2027	109.72806	107.3644114	105.0639929	102.8246765	100.6444224	98.52127527	96.45336007	94.43887781	92.47610199
221209A00070	12/9/2022	4.42	12/9/2037	127.80913	120.2355855	113.2869926	106.9035369	101.0317033	95.62356008	90.63613334	86.03085463	81.77307469
221212A00011	12/12/2022	3.89	12/10/2027	109.69355	107.3275328	105.0248768	102.7834484	100.601206	98.4761923	96.40652994	94.39041765	92.42612642
221212A00040	12/12/2022	4.45	12/12/2025	101.19629	100.9094528	100.6242525	100.3406775	100.058714	99.7783481	99.4995661	99.22235453	98.94670004
221212A00041	12/12/2022	4.15	12/10/2027	110.12607	107.7583682	105.4539767	103.21077	101.0267102	98.89984332	96.82829515	94.81026738	92.84403376
221212A00063	12/12/2022	4.45	12/12/2025	101.19629	100.9094528	100.6242525	100.3406775	100.058714	99.7783481	99.4995661	99.22235453	98.94670004

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221212A00071	12/12/2022	4.15	12/13/2027	110.16269	107.786252	105.4735377	103.2224187	101.0308506	98.8968723	96.81860213	94.79423371	92.82203246
221212A00117	6/12/2023	4.11	6/12/2026	103.15327	102.3555222	101.5701405	100.7968376	100.035336	99.28536666	98.54666853	97.81898852	97.10208105
221212A00131	12/12/2023	3.77	12/11/2026	104.97085	103.660237	102.3784895	101.1246505	99.89780746	98.6970876	97.52165588	96.37071294	95.24349315
221213A00004	12/13/2022	3.99	12/13/2027	109.79158	107.4195065	105.1110667	102.8641326	100.6766623	98.5466975	96.47235876	94.45184213	92.48341532
221213A00017	12/13/2022	4.1	12/14/2026	105.43601	104.1154565	102.8230863	101.557999	100.3193317	99.10625801	97.91798615	96.75375724	95.61284347
221213A00047	12/13/2022	3.8	12/13/2027	109.51969	107.1474176	104.8388645	102.5918993	100.4044752	98.27462937	96.20047819	94.18021373	92.2120999
221213A00051	12/13/2022	4.02	12/13/2027	109.86117	107.4882713	105.17903	102.9313112	100.7430726	98.61235528	96.53727939	94.51604055	92.54690603
221213A00056	12/13/2022	4.02	5/13/2026	102.79905	102.0853769	101.381634	100.6876152	100.0031198	99.32795225	98.66192246	98.00484546	97.35654128
221213A00061	12/13/2022	4.15	12/11/2026	105.46353	104.1495461	102.8644886	101.6073963	100.3773549	99.17349028	97.9949658	96.84098069	95.71076797
221214A00020	12/14/2022	4.2	12/12/2025	101.12481	100.8380971	100.553026	100.2695797	99.98774426	99.70750589	99.42885092	99.15176584	98.87623733
221214A00022	12/14/2022	4.17	2/13/2026	101.84608	101.3829938	100.9241293	100.4694293	100.0188371	99.57229707	99.12975464	98.69115614	98.25644885
221214A00031	12/14/2022	3.97	12/14/2027	109.7569	107.3824659	105.0717964	102.8227584	100.633308	98.50148467	96.42540698	94.40326851	92.43333445
221214A00077	12/14/2022	3.84	12/14/2027	109.6241	107.2478246	104.9354349	102.6847925	100.4938481	98.36063562	96.28326838	94.25993512	92.28889639
221214A00079	12/14/2022	3.84	12/14/2027	109.6241	107.2478246	104.9354349	102.6847925	100.4938481	98.36063562	96.28326838	94.25993512	92.28889639
221214A00102	12/14/2022	4.33	12/15/2025	101.19771	100.9025457	100.6091219	100.3174186	100.0274207	99.73911306	99.45248087	99.16750944	98.88418425
221215A00082	12/15/2022	4.27	12/15/2025	101.18005	100.8849224	100.5915312	100.2998604	100.0098948	99.72161936	99.43501923	99.15007973	98.86678633
221215A00115	12/15/2022	4	12/15/2027	109.83835	107.4601965	105.1459576	102.8935039	100.7007891	98.56584981	96.4868014	94.46183441	92.48921077
221216A00007	12/16/2022	4.27	12/16/2025	101.19179	100.8938697	100.5977164	100.3033156	100.0106517	99.71970922	99.43047292	99.1429277	98.85705867
221216A00008	12/16/2022	4.27	12/16/2025	101.19179	100.8938697	100.5977164	100.3033156	100.0106517	99.71970922	99.43047292	99.1429277	98.85705867
221216A00009	12/16/2022	4.27	12/16/2025	101.19179	100.8938697	100.5977164	100.3033156	100.0106517	99.71970922	99.43047292	99.1429277	98.85705867
221216A00010	12/16/2022	4.27	12/16/2025	101.19179	100.8938697	100.5977164	100.3033156	100.0106517	99.71970922	99.43047292	99.1429277	98.85705867
221216A00013	12/16/2022	4.04	12/16/2027	109.94326	107.5610939	105.2430123	102.9868758	100.7906352	98.65232385	96.57005415	94.54201325	92.56645973
221216A00023	12/16/2022	4.04	12/13/2027	109.90755	107.5341145	105.2243389	102.976097	100.7873462	98.65612713	96.58055981	94.5588395	92.58923318
221219A00043	12/19/2022	4.07	12/17/2027	110.02508	107.6391784	105.3175185	103.0579581	100.8584451	98.71701038	96.631763	94.60088701	92.62263772
221220A00025	12/20/2022	4.38	12/22/2025	101.29675	100.9819805	100.6691784	100.3583251	100.0494022	99.74239183	99.43727612	99.1340375	98.83265861
221221A00043	12/21/2022	4.26	12/19/2025	101.22396	100.9176604	100.613224	100.3106374	100.0098836	99.71094597	99.41380793	99.11845317	98.82486559
221221A00049	12/21/2022	4.15	12/21/2027	110.26036	107.86059	105.5256635	103.2534339	101.0418388	98.88889766	96.79270805	94.75144175	92.76334143
221221A00053	12/21/2022	4.15	12/21/2027	110.26036	107.86059	105.5256635	103.2534339	101.0418388	98.88889766	96.79270805	94.75144175	92.76334143
221222A00012	12/22/2022	4.35	12/16/2025	101.21555	100.9175888	100.6213913	100.3269464	100.0342386	99.74325251	99.45397273	99.16638423	98.88047209
221222A00013	12/22/2022	4.34	12/23/2025	101.29614	100.978594	100.6630506	100.3494891	100.0378906	99.72823689	99.42050958	99.11469069	98.81076243
221222A00024	12/22/2022	4.35	12/15/2025	101.20359	100.9084202	100.6149855	100.3232714	100.0332627	99.74494429	99.45830142	99.17331934	98.88998355
221222A00026	12/22/2022	4.22	12/15/2026	105.60537	104.2813896	102.9853734	101.7164336	100.4737238	99.25643318	98.06378447	96.89503228	95.74946148
221222A00027	12/22/2022	4.16	12/15/2027	110.21036	107.8278152	105.5092819	103.252624	101.0557925	98.91682145	96.83382378	94.80498764	92.82857267

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
221222A00035	12/30/2022	4.34	12/30/2025	101.37969	101.0425342	100.7076187	100.3749218	100.0444214	99.71609582	99.38992376	99.06588407	98.74395589
221222A00053	12/22/2022	4.18	12/22/2027	110.20403	107.82817	105.5178179	103.2707849	101.0849714	98.9583602	96.88901271	94.87506532	92.91472613
221223A00025	12/23/2022	4.25	12/23/2027	110.51952	108.1111147	105.7678968	103.4877104	101.2684869	99.10823906	97.00505762	94.95710721	92.96262323
221228A00044	12/28/2022	4.31	12/28/2027	110.72364	108.2989066	105.9400972	103.6450504	101.4116847	99.23799927	97.12207029	95.06204731	93.05615006
221228A00075	12/28/2022	4.09	12/28/2027	110.37667	107.9525808	105.5944968	103.3002432	101.0677343	98.8949649	96.78000743	94.72100771	92.71618205
221228A00129	12/28/2022	4.11	12/28/2027	110.43768	108.0057017	105.6415043	103.3428042	101.1074114	98.9332227	96.8182174	94.7604536	92.75806461
221229A00075	12/29/2022	5.2	12/29/2037	152.75007	138.3817415	125.6104398	114.2459963	104.1219787	95.09261088	87.03010685	79.82236082	73.37094474
221230A00087	12/30/2022	4.56	1/2/2026	101.49165	101.1459435	100.8025889	100.4615661	100.1228515	99.78642164	99.45225349	99.12032428	98.79061155
221230A00088	12/30/2022	4.42	12/30/2026	106.06684	104.7057135	103.3689425	102.0559224	100.766068	99.4988127	98.2536082	97.02992362	95.82724482
221230A00109	12/30/2022	4.56	12/30/2025	101.45359	101.1162781	100.7812088	100.4483589	100.1177062	99.78922914	99.46290633	99.13871661	98.81663915
221230A00111	12/30/2022	4.42	12/30/2026	106.06684	104.7057135	103.3689425	102.0559224	100.766068	99.4988127	98.2536082	97.02992362	95.82724482
230103A00066	1/3/2023	4.19	7/15/2026	103.66755	102.7748685	101.8976054	101.0353585	100.187744	99.35439116	98.53494152	97.72904867	96.93637764
230103A00070	1/3/2023	4.53	10/15/2025	100.51841	100.3933177	100.2685562	100.1441211	100.020011	99.89622457	99.77276055	99.64961761	99.52679445
230104A00004	1/4/2023	4.19	1/4/2028	110.52605	108.0842838	105.7093917	103.3991779	101.1515286	98.96441123	96.83587092	94.76402708	92.74707011
230104A00044	1/4/2023	4.2	1/4/2028	110.54986	108.1078055	105.7326324	103.4221436	101.174225	98.98684399	96.85804553	94.78594886	92.76874421
230105A00020	1/5/2023	4.32	1/5/2028	110.84814	108.3997103	106.0183928	103.7019738	101.4483303	99.25542105	97.12128279	95.04402703	93.02183657
230106A00017	1/6/2023	4.23	1/6/2028	110.64592	108.197166	105.8156174	103.4990556	101.2453524	99.0524614	96.91841481	94.84131961	92.81935441
230106A00019	1/6/2023	4.23	1/6/2028	110.64592	108.197166	105.8156174	103.4990556	101.2453524	99.0524614	96.91841481	94.84131961	92.81935441
230106A00032	1/6/2023	4.28	1/6/2026	101.46784	101.1108211	100.7563198	100.4043129	100.0547741	99.70767737	99.36299708	99.02070798	98.68078512
230109A00042	1/9/2023	4.07	12/20/2027	110.06103	107.6663984	105.3364222	103.0689588	100.8619495	98.71341763	96.62146456	94.58426607	92.6000689
230109A00083	1/9/2023	4.79	1/11/2038	147.82014	133.7091266	121.1788927	110.0401715	100.1274219	91.29573854	83.418179	76.38344866	70.09389463
230110A00006	1/10/2023	4.06	1/10/2028	110.28757	107.8320978	105.4443223	103.1220012	100.8629815	98.66519357	96.52664756	94.44542956	92.41969843
230110A00023	1/10/2023	4.3	1/12/2026	101.52253	101.1490361	100.7783017	100.4102977	100.0449941	99.68236106	99.32236918	98.96498957	98.61019373
230110A00035	1/10/2023	4.08	1/10/2028	110.34427	107.8815074	105.4882746	103.1622039	100.9010199	98.70253817	96.56466136	94.4853751	92.46274411
230110A00040	1/13/2023	4.07	12/13/2027	109.97714	107.6028793	105.2923022	103.0432756	100.8537565	98.7217849	96.64548045	94.62303792	92.65272389
230110A00043	1/10/2023	3.84	1/10/2028	109.93482	107.4800524	105.0930586	102.7715886	100.5134849	98.31667369	96.17916088	94.09902884	92.07443282
230110A00047	1/10/2023	3.84	1/10/2028	109.93482	107.4800524	105.0930586	102.7715886	100.5134849	98.31667369	96.17916088	94.09902884	92.07443282
230110A00055	1/10/2023	4.06	1/10/2028	110.28757	107.8320978	105.4443223	103.1220012	100.8629815	98.66519357	96.52664756	94.44542956	92.41969843
230110A00070	1/10/2023	4.27	1/9/2026	101.47551	101.110436	100.7480009	100.3881747	100.0309292	99.67623656	99.32406943	98.97440075	98.62720389
230111A00004	1/11/2023	3.83	1/11/2028	109.92222	107.4648485	105.0753866	102.7515854	100.4912805	98.29239183	96.15291911	94.07093896	92.04460117
230111A00013	1/11/2023	4.25	1/9/2026	101.46824	101.1031789	100.7407598	100.3809495	100.0237199	99.66904302	99.31689155	98.96723846	98.62005711
230111A00019	1/11/2023	3.83	1/11/2028	109.92222	107.4648485	105.0753866	102.7515854	100.4912805	98.29239183	96.15291911	94.07093896	92.04460117
230111A00046	1/11/2023	4.28	1/13/2026	101.52689	101.1506119	100.7771376	100.4064344	100.0384716	99.67321857	99.31064546	98.95072265	98.59342102

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230112A00004	1/12/2023	4	1/12/2028	110.16705	107.7075199	105.3159458	102.9900752	100.7277422	98.52686508	96.38544252	94.30154972	92.27333524
230112A00014	1/12/2023	4.09	1/12/2027	105.78015	104.3861522	103.0173444	101.6731013	100.3528177	99.05590823	97.78180598	96.52996197	95.29984444
230112A00041	1/12/2023	4.2	1/12/2026	101.48533	101.1119214	100.7412702	100.3733491	100.0081279	99.64557681	99.28566645	98.92836794	98.57365277
230112A00042	1/12/2023	4.09	1/12/2027	105.78015	104.3861522	103.0173444	101.6731013	100.3528177	99.05590823	97.78180598	96.52996197	95.29984444
230112A00044	1/12/2023	4	1/12/2028	110.16705	107.7075199	105.3159458	102.9900752	100.7277422	98.52686508	96.38544252	94.30154972	92.27333524
230112A00059	3/1/2023	4.04	3/2/2026	101.97582	101.4651954	100.9596807	100.4592041	99.96369038	99.47306597	98.98725875	98.50619798	98.02981432
230112A00060	3/15/2023	4.01	3/13/2026	102.08022	101.5388112	101.0031641	100.4731824	99.94877639	99.42985808	98.91634147	98.40814231	97.90517811
230112A00061	3/15/2023	4.01	3/13/2026	102.08022	101.5388112	101.0031641	100.4731824	99.94877639	99.42985808	98.91634147	98.40814231	97.90517811
230112A00062	3/15/2023	3.83	3/15/2028	110.48284	107.8395045	105.2738865	102.7832298	100.3648979	98.01636429	95.73520719	93.51910435	91.36582839
230112A00063	3/15/2023	3.83	3/15/2028	110.48284	107.8395045	105.2738865	102.7832298	100.3648979	98.01636429	95.73520719	93.51910435	91.36582839
230112A00065	1/12/2023	4.09	1/12/2027	105.78015	104.3861522	103.0173444	101.6731013	100.3528177	99.05590823	97.78180598	96.52996197	95.29984444
230112A00066	1/12/2023	4	1/12/2028	110.16705	107.7075199	105.3159458	102.9900752	100.7277422	98.52686508	96.38544252	94.30154972	92.27333524
230113A00037	1/26/2024	3.43	1/30/2026	101.37191	100.9488421	100.5292973	100.1132356	99.70061357	99.29138888	98.88551968	98.48296485	98.08368393
230113A00055	1/13/2023	3.88	1/13/2028	109.89	107.4310793	105.0401922	102.7150777	100.4535655	98.25356912	96.11308306	94.03017856	92.00300043
230113A00057	1/13/2023	3.99	1/13/2028	109.69823	107.3400808	105.0479399	102.8195605	100.652785	98.54554284	96.49584584	94.50178472	92.5615253
230113A00080	1/13/2023	4.18	1/13/2026	101.48941	101.1132208	100.7398308	100.3692116	100.0013323	99.63616233	99.27367183	98.91383119	98.5566113
230117A00040	1/17/2023	4.07	1/19/2027	105.83734	104.4238598	103.0362393	101.6738251	100.3359894	99.02212439	97.73164198	96.4639729	95.21856594
230117A00048	1/17/2023	3.97	1/14/2028	110.11813	107.6536695	105.2574483	102.9271984	100.6607404	98.45598001	96.31090373	94.22357542	92.19213283
230117A00087	1/17/2023	3.93	1/18/2028	110.06768	107.592789	105.1867125	102.8471563	100.5719139	98.35886498	96.20597158	94.11127432	92.07288891
230118A00019	1/18/2023	3.59	1/18/2028	109.42076	106.9501715	104.5483979	102.21314	99.94218879	97.73342182	95.58479898	93.49435899	91.4602158
230118A00020	1/18/2023	3.87	1/16/2026	101.43249	101.0478012	100.6660433	100.2871843	99.91119122	99.53803141	99.16767277	98.80008369	98.43523303
230118A00033	1/18/2023	3.81	1/18/2028	109.77728	107.3059454	104.903349	102.5671982	100.2952884	98.0855017	95.93580208	93.84423216	91.80890961
230118A00039	1/18/2023	3.81	1/18/2028	109.77728	107.3059454	104.903349	102.5671982	100.2952884	98.0855017	95.93580208	93.84423216	91.80890961
230118A00053	1/18/2023	3.87	1/16/2026	101.43249	101.0478012	100.6660433	100.2871843	99.91119122	99.53803141	99.16767277	98.80008369	98.43523303
230118A00056	1/18/2023	3.87	1/16/2026	101.43249	101.0478012	100.6660433	100.2871843	99.91119122	99.53803141	99.16767277	98.80008369	98.43523303
230118A00058	1/23/2023	4	2/17/2026	101.81203	101.3379378	100.868273	100.4029713	99.94197184	99.4852151	99.03264254	98.58419671	98.13982124
230118A00087	1/18/2023	4.02	1/16/2026	101.46323	101.0787768	100.6972511	100.3186187	99.94284671	99.56990254	99.19975426	98.83237036	98.46771983
230119A00034	1/19/2023	3.82	1/19/2028	109.81265	107.3381225	104.9324911	102.593455	100.3188027	98.10640921	95.9542321	93.86030783	91.8227482
230119A00105	1/19/2023	3.9	1/19/2027	105.59849	104.1867702	102.8008763	101.4401594	100.1039922	98.79176787	97.50289899	96.23681703	94.99297145
230119A00108	1/19/2023	3.81	1/19/2028	109.78842	107.3141916	104.9088509	102.5700992	100.2957252	98.08360416	95.93169378	93.83803068	91.80072684
230119A00137	1/19/2023	3.9	1/19/2027	105.59849	104.1867702	102.8008763	101.4401594	100.1039922	98.79176787	97.50289899	96.23681703	94.99297145
230120A00021	1/20/2023	4.13	1/20/2026	101.55163	101.1558705	100.7632098	100.3736094	99.98703371	99.60344731	99.22281554	98.84510422	98.47027971
230120A00022	1/20/2023	3.9	1/20/2028	110.01787	107.5380609	105.1273536	102.7834355	100.5040867	98.28717402	96.13064728	94.03253562	91.99094387

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230120A00027	1/20/2023	4.13	1/20/2026	101.55163	101.1558705	100.7632098	100.3736094	99.98703371	99.60344731	99.22281554	98.84510422	98.47027971
230120A00029	1/20/2023	3.9	1/20/2028	110.01787	107.5380609	105.1273536	102.7834355	100.5040867	98.28717402	96.13064728	94.03253562	91.99094387
230120A00079	1/20/2023	3.68	1/20/2028	109.66072	107.1816658	104.7717837	102.4287616	100.1503747	97.9344855	95.77903963	93.68206227	91.64165456
230120A00099	1/20/2023	3.92	1/20/2026	101.49635	101.1004025	100.7075588	100.3177811	99.93103352	99.54728058	99.16648747	98.78861991	98.41364412
230120A00103	1/20/2023	3.92	1/20/2026	101.49635	101.1004025	100.7075588	100.3177811	99.93103352	99.54728058	99.16648747	98.78861991	98.41364412
230120A00114	1/20/2023	4.13	1/20/2026	101.55163	101.1558705	100.7632098	100.3736094	99.98703371	99.60344731	99.22281554	98.84510422	98.47027971
230120A00117	1/20/2023	3.9	1/20/2028	110.01787	107.5380609	105.1273536	102.7834355	100.5040867	98.28717402	96.13064728	94.03253562	91.99094387
230123A00051	1/23/2023	3.75	1/21/2028	109.84185	107.3577962	104.9431192	102.5954907	100.3126774	98.09253381	95.93299795	93.83208783	91.78789769
230124A00004	1/24/2023	3.99	1/24/2028	110.28275	107.7886264	105.3642676	103.0073324	100.7155708	98.48682103	96.31900594	94.21012898	92.15827062
230124A00014	1/24/2023	4.23	1/26/2026	101.6621	101.2494147	100.8400841	100.4340688	100.0313288	99.63182441	99.23551669	98.84236734	98.45233865
230124A00015	1/24/2023	4.09	1/25/2027	105.93855	104.5079668	103.1038274	101.7254569	100.3722069	99.04345021	97.73858004	96.45700927	95.19816959
230124A00024	1/24/2023	4.23	1/23/2026	101.62657	101.222308	100.8212679	100.4234152	100.028712	99.63712096	99.24860516	98.86312843	98.4806551
230124A00025	1/24/2023	4.09	1/25/2027	105.93855	104.5079668	103.1038274	101.7254569	100.3722069	99.04345021	97.73858004	96.45700927	95.19816959
230124A00045	1/24/2023	3.99	1/24/2028	110.28275	107.7886264	105.3642676	103.0073324	100.7155708	98.48682103	96.31900594	94.21012898	92.15827062
230124A00046	1/24/2023	3.99	1/24/2028	110.28275	107.7886264	105.3642676	103.0073324	100.7155708	98.48682103	96.31900594	94.21012898	92.15827062
230124A00055	6/15/2023	4.13	6/15/2032	127.32121	119.8460508	112.8746848	106.3702838	100.2989013	94.62923403	89.33240319	84.38175405	79.75267378
230124A00056	3/28/2023	4.19	3/28/2033	129.96791	121.5834102	113.8201156	106.6283337	99.9626096	93.7813387	88.04642173	82.72295205	77.77893237
230124A00058	6/15/2023	4.21	6/15/2034	133.31231	123.5400804	114.5911767	106.3911428	98.87264396	91.97475056	85.64229741	79.82531037	74.47849268
230125A00010	1/25/2023	4.01	1/25/2027	105.82481	104.3950792	102.9917712	101.6142178	100.2617711	98.93380424	97.6297108	96.34890402	95.0908159
230125A00022	1/25/2023	3.8	1/25/2027	105.62747	104.1975735	102.7941342	101.416477	100.0639529	98.73593388	97.43181255	96.15100116	94.89293079
230125A00023	1/25/2023	3.69	1/25/2028	109.74008	107.2462186	104.8223012	102.4659729	100.1749731	97.94713025	95.78035797	93.67265102	91.62208165
230125A00031	1/25/2023	3.74	1/25/2028	109.39753	107.0124866	104.6951158	102.4430773	100.25413	98.12612426	96.05699752	94.04477012	92.08754145
230126A00015	1/26/2023	4.08	1/26/2027	105.93649	104.5031961	103.0964403	101.7155453	100.3598593	99.02875193	97.72161333	96.43785344	95.17690111
230126A00036	1/26/2023	4.19	1/26/2026	101.64567	101.2330213	100.8237308	100.4177554	100.0150551	99.61559007	99.21932154	98.82621115	98.43622119
230127A00012	1/27/2023	4	1/27/2028	110.34214	107.8389774	105.4060465	103.0409807	100.7415082	98.5054468	96.3307	94.21525284	92.15716831
230127A00044	1/27/2023	4.25	1/27/2026	101.68222	101.2667012	100.8545858	100.445829	100.0403897	99.63822763	99.23930309	98.84357707	98.45101118
230127A00045	1/27/2023	4.12	1/27/2027	106.00573	104.569199	103.1593036	101.7753701	100.4167428	99.08278814	97.77289284	96.48646369	95.2229265
230127A00046	1/27/2023	4	1/27/2028	110.34214	107.8389774	105.4060465	103.0409807	100.7415082	98.5054468	96.3307	94.21525284	92.15716831
230127A00048	1/27/2023	4	1/27/2028	110.34214	107.8389774	105.4060465	103.0409807	100.7415082	98.5054468	96.3307	94.21525284	92.15716831
230127A00053	1/27/2023	4	1/27/2028	110.34214	107.8389774	105.4060465	103.0409807	100.7415082	98.5054468	96.3307	94.21525284	92.15716831
230127A00056	1/27/2023	3.78	1/27/2028	109.98237	107.4799744	105.0478892	102.683741	100.3852532	98.15023911	95.97659778	93.86231026	91.80543578
230127A00060	1/30/2023	4.25	2/3/2026	101.7651	101.3299476	100.8985184	100.4707648	100.0466401	99.62609817	99.2090937	98.79558218	98.38551981
230127A00073	1/27/2023	4.24	2/17/2026	101.92529	101.4508845	100.98091	100.5153007	100.0539957	99.59693536	99.14406125	98.69531586	98.25064279

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230127A00096	1/27/2023	4.21	1/27/2026	101.66567	101.2501972	100.8381226	100.4294062	100.024007	99.62188489	99.22300005	98.8273135	98.43478684
230130A00045	1/30/2023	4.02	1/28/2028	110.40277	107.8960903	105.4598061	103.0915452	100.7890282	98.55006577	96.37255462	94.25447332	92.19387878
230130A00086	1/30/2023	4.16	2/1/2027	106.12589	104.6745268	103.2503082	101.852542	100.4805548	99.13369558	97.81133466	96.5128631	95.23769162
230130A00087	1/30/2023	4.04	1/28/2028	110.45173	107.9444428	105.5075654	103.1387242	100.8356394	98.59612126	96.41806612	94.29945224	92.23833618
230130A00095	2/3/2023	4.25	5/26/2026	103.06352	102.3133384	101.5740988	100.8455613	100.1274944	99.41967317	98.72187932	98.03390057	97.35553063
230130A00127	1/30/2023	4.02	2/1/2028	110.45032	107.9317865	105.4842754	103.1053819	100.7927972	98.54430402	96.35777243	94.23115599	92.16248787
230131A00004	1/31/2023	3.76	1/31/2028	109.97827	107.4648489	105.0223343	102.6483265	100.3405204	98.0967024	95.91474606	93.79260826	91.72832535
230131A00006	1/31/2023	4.23	2/2/2026	101.74473	101.3124003	100.8837438	100.4587148	100.0372673	99.61935625	99.2049372	98.79396652	98.3864013
230131A00009	1/31/2023	3.98	1/31/2028	110.33971	107.8255005	105.3821239	103.0071816	100.6983735	98.45349059	96.27041076	94.14709499	92.08158347
230131A00032	2/3/2023	4.17	7/30/2026	103.76502	102.8309537	101.9137338	101.0129055	100.128032	99.2586917	98.40447792	97.564998	96.73987281
230131A00034	2/3/2023	3.99	12/23/2027	109.9092	107.5080591	105.1719505	102.8987232	100.6863131	98.53273724	96.43609042	94.3945413	92.40632908
230131A00057	1/31/2023	4.1	1/29/2027	106.00162	104.5596557	103.1445254	101.7555414	100.3920416	99.05338559	97.73895408	96.44814789	95.18038715
230131A00067	1/31/2023	4.02	2/2/2026	101.68443	101.2519044	100.823055	100.3978395	99.97621169	99.55812638	99.14353898	98.73240571	98.32468349
230131A00071	1/31/2023	4.22	1/30/2026	101.70525	101.2813405	100.8609605	100.4440687	100.0306217	99.62057698	99.21389271	98.81052769	98.41044143
230131A00087	2/3/2023	4.26	1/5/2026	101.42417	101.0702893	100.7188883	100.3699364	100.0234079	99.67927753	99.33752047	98.99811212	98.66102828
230131A00095	1/31/2023	4.22	1/30/2026	101.70525	101.2813405	100.8609605	100.4440687	100.0306217	99.62057698	99.21389271	98.81052769	98.41044143
230201A00003	2/1/2023	3.93	1/31/2028	110.21689	107.7042104	105.2623267	102.8888449	100.5814658	98.33798129	96.15627029	94.03429461	91.97009525
230201A00011	2/1/2023	3.93	2/1/2028	110.229	107.713219	105.2684009	102.8921419	100.5821348	98.33616415	96.15210165	94.02790242	91.96160111
230201A00012	2/1/2023	4.08	2/1/2027	106.0106	104.5601041	103.1367391	101.7398119	100.3686495	99.02260108	97.70103753	96.40335019	95.12895015
230202A00006	2/2/2023	3.92	2/2/2027	105.7929	104.3410323	102.916379	101.5182405	100.1459407	98.7988257	97.47626346	96.1776425	94.90237125
230202A00008	2/2/2023	3.81	2/2/2028	109.94568	107.4304768	104.9863222	102.6108059	100.301615	98.05652875	95.87341399	93.75022118	91.68498064
230202A00011	2/2/2023	3.92	2/2/2027	105.7929	104.3410323	102.916379	101.5182405	100.1459407	98.7988257	97.47626346	96.1776425	94.90237125
230202A00034	2/2/2024	3.41	2/2/2026	101.39191	100.9604782	100.5327193	100.1085822	99.68802126	99.27099124	98.85744785	98.4473475	98.04064731
230202A00038	2/2/2023	3.84	2/2/2028	110.01954	107.5034144	105.0583603	102.6819639	100.3719119	98.12598306	95.94204354	93.81804331	91.75201219
230202A00041	2/2/2023	3.82	2/2/2028	109.9703	107.4547893	105.0103349	102.6345252	100.3250473	98.07968019	95.89629051	93.77282856	91.70732449
230202A00042	2/2/2023	3.82	2/2/2028	109.9703	107.4547893	105.0103349	102.6345252	100.3250473	98.07968019	95.89629051	93.77282856	91.70732449
230202A00045	2/2/2023	3.62	2/2/2028	109.65701	107.1416894	104.6975103	102.3220615	100.0130248	97.76817427	95.58537171	93.462563	91.39777407
230202A00050	2/2/2023	3.82	2/2/2028	109.9703	107.4547893	105.0103349	102.6345252	100.3250473	98.07968019	95.89629051	93.77282856	91.70732449
230202A00061	2/2/2023	4.16	2/2/2026	101.71461	101.2823582	100.8537783	100.4288254	100.0074536	99.58961777	99.17527347	98.76437709	98.35688572
230202A00096	2/2/2023	3.81	2/2/2028	109.94568	107.4304768	104.9863222	102.6108059	100.301615	98.05652875	95.87341399	93.75022118	91.68498064
230203A00021	2/8/2023	4.21	6/17/2026	103.29108	102.4788473	101.679416	100.8924878	100.1177705	99.35498107	98.60384506	97.86409647	97.13547732
230203A00026	2/3/2023	3.98	2/3/2028	110.37645	107.8529343	105.4007435	103.0174594	100.7007581	98.44840787	96.25826542	94.12827149	92.05644715
230203A00038	2/3/2023	4.1	2/3/2027	106.06619	104.609244	103.17966	101.7767307	100.3997749	99.04813409	97.72117164	96.41827176	95.13883871

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230203A00039	2/3/2023	3.98	2/3/2028	110.37645	107.8529343	105.4007435	103.0174594	100.7007581	98.44840787	96.25826542	94.12827149	92.05644715
230203A00043	2/14/2023	4.31	2/13/2026	101.91059	101.4473328	100.9882954	100.5334237	100.0826608	99.63595132	99.19324046	98.75447461	98.31960104
230203A00045	2/14/2023	4.31	2/13/2026	101.91059	101.4473328	100.9882954	100.5334237	100.0826608	99.63595132	99.19324046	98.75447461	98.31960104
230203A00053	2/10/2023	4.32	2/10/2026	101.87912	101.4242673	100.973487	100.5267239	100.0839243	99.64503551	99.21000577	98.7787842	98.35132081
230203A00054	2/10/2023	4.32	2/10/2026	101.87912	101.4242673	100.973487	100.5267239	100.0839243	99.64503551	99.21000577	98.7787842	98.35132081
230203A00057	2/3/2023	4.34	2/3/2026	101.80407	101.3688219	100.9372931	100.5094406	100.0852175	99.66457781	99.24747619	98.83386811	98.42370977
230203A00058	2/3/2023	4.34	2/3/2026	101.80407	101.3688219	100.9372931	100.5094406	100.0852175	99.66457781	99.24747619	98.83386811	98.42370977
230208A00029	2/8/2023	4.27	2/8/2027	106.38141	104.9069873	103.46052	102.0412757	100.6485521	99.28167029	97.93997422	96.62282957	95.32962285
230208A00036	2/8/2023	4.43	2/6/2026	101.87984	101.4360763	100.9961862	100.5601183	100.1278229	99.69925105	99.27435469	98.85308661	98.43540039
230208A00038	2/8/2023	4.27	2/8/2027	106.38141	104.9069873	103.46052	102.0412757	100.6485521	99.28167029	97.93997422	96.62282957	95.32962285
230208A00039	2/8/2023	4.17	2/8/2028	110.90865	108.363697	105.8910354	103.4881974	101.1528153	98.88261567	96.67541596	94.52911961	92.44171234
230208A00040	2/8/2023	4.26	2/8/2029	115.65218	111.9952781	108.476077	105.0886431	101.8273331	98.68677667	95.66186108	92.74771785	89.9397095
230208A00041	2/8/2023	4.32	2/8/2030	120.31167	115.5089607	110.9304898	106.5645776	102.4002133	98.42701393	94.63518554	91.01548638	87.55919305
230208A00055	2/8/2023	4.22	2/6/2026	101.81808	101.3741135	100.9340262	100.4977676	100.065288	99.63653826	99.21147014	98.79003629	98.37219012
230208A00060	2/8/2023	4.06	2/8/2027	106.17908	104.7045016	103.2579089	101.8385689	100.4457778	99.07885558	97.73714496	96.42001054	95.12683784
230209A00024	2/9/2023	4.4	2/5/2026	101.85442	101.413493	100.9763911	100.5430627	100.113459	99.68753186	99.26523432	98.84652	98.43134337
230209A00025	2/9/2023	4.25	2/5/2027	106.31079	104.8459654	103.4087498	101.998431	100.6143186	99.25574584	97.92206783	96.61266104	95.32692233
230209A00027	2/9/2023	4.12	2/7/2028	110.77207	108.2317921	105.7635992	103.3650381	101.0337498	98.76746977	96.56402344	94.42132197	92.3373584
230209A00037	2/9/2023	4.12	2/9/2028	110.79736	108.2508401	105.7767472	103.3726038	101.0360347	98.76476033	96.55659156	94.40942594	92.32124361
230210A00035	2/10/2023	4.52	2/10/2026	101.96962	101.5145229	101.0635036	100.616503	100.1734675	99.73434434	99.29908169	98.86762868	98.43993531
230210A00055	2/10/2023	4.02	2/10/2028	110.74334	108.1907545	105.7109246	103.3013582	100.9596649	98.68354988	96.47081027	94.31933031	92.22707758
230210A00062	2/10/2023	4.13	2/10/2027	106.30876	104.8271464	103.3737555	101.947847	100.5487085	99.1756517	97.82801147	96.50514488	95.20643026
230210A00065	2/10/2023	4.02	2/10/2028	110.74334	108.1907545	105.7109246	103.3013582	100.9596649	98.68354988	96.47081027	94.31933031	92.22707758
230213A00020	2/15/2023	4.28	1/25/2028	111.00187	108.4961007	106.0604402	103.6925331	101.3901164	99.15101647	96.97314454	94.85449308	92.79313204
230214A00031	2/14/2023	4.31	2/14/2028	111.3347	108.766608	106.2719099	103.8480867	101.4927192	99.20348536	96.97815634	94.81459193	92.71073645
230215A00008	2/15/2023	4.49	2/16/2027	106.81851	105.3165468	103.8434835	102.3985549	100.981024	99.59017918	98.22533291	96.88582084	95.57100083
230215A00035	2/15/2023	4.47	2/17/2026	102.06692	101.5917325	101.1209857	100.6546152	100.1925599	99.73475986	99.28115645	98.83169194	98.38630972
230215A00045	2/15/2023	4.37	2/15/2028	111.49777	108.9246492	106.4251349	103.9966967	101.6369056	99.34343083	97.11403514	94.94657029	92.838973
230217A00036	2/17/2023	4.44	2/17/2028	111.69972	109.1181044	106.6104811	104.1743031	101.8071235	99.50659469	97.27046335	95.09656608	92.98282531
230217A00052	2/17/2023	4.55	2/17/2027	106.92212	105.4163293	103.9395615	102.4910498	101.0700526	99.67585392	98.30776208	96.96510881	95.64724816
230221A00004	2/21/2023	4.47	2/18/2028	111.78846	109.2027432	106.6912129	104.2513095	101.8805773	99.57666027	97.3372972	95.16031717	93.04363549
230221A00007	2/21/2023	4.5	10/18/2027	110.21979	108.0007685	105.8381164	103.7300049	101.6746795	99.67045606	97.71571782	95.80891172	93.94854553
230222A00024	2/22/2023	4.74	3/2/2026	102.33142	101.8197453	101.3131925	100.8116852	100.3151481	99.82350759	99.33669149	98.85462895	98.37725056

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230223A00010	2/23/2023	4.68	10/3/2025	100.39698	100.3051772	100.2135446	100.1220848	100.0307975	99.93968214	99.84873816	99.75796509	99.66736243
230223A00012	2/23/2023	4.68	10/3/2025	100.39698	100.3051772	100.2135446	100.1220848	100.0307975	99.93968214	99.84873816	99.75796509	99.66736243
230223A00033	2/23/2023	4.5	2/23/2028	111.93219	109.3297644	106.8023966	104.3474852	101.9625324	99.64514245	97.39301659	95.20394836	93.07581946
230224A00015	2/24/2023	4.86	3/17/2026	102.59092	102.0368321	101.4887466	100.9465705	100.4102084	99.87956674	99.35455418	98.83508122	98.32106026
230224A00029	2/24/2023	4.87	2/24/2026	102.31699	101.8220345	101.3318754	100.8464435	100.3656706	99.8894897	99.41783527	98.95064286	98.48784932
230227A00060	2/27/2023	4.86	2/27/2026	102.35245	101.8490415	101.3505871	100.8570149	100.3682536	99.88423295	99.40488427	98.93014011	98.45993436
230228A00009	2/28/2023	4.69	2/27/2026	102.30276	101.7990679	101.3003442	100.8065112	100.3174971	99.83323161	99.35364578	98.87867197	98.40824386
230228A00010	2/28/2023	4.5	2/26/2027	107.08718	105.5510112	104.0449679	102.5682408	101.1200474	99.6996327	98.30626786	96.93924908	95.59789652
230301A00029	3/1/2023	4.59	3/1/2028	112.25616	109.6289027	107.077945	104.6006175	102.1943637	99.8567318	97.58537044	95.37802333	93.23252498
230301A00036	3/1/2023	4.91	3/2/2026	102.41778	101.9058503	101.3990454	100.8972877	100.4005021	99.90861484	99.42155372	98.9392479	98.46162793
230301A00047	3/1/2023	4.61	3/1/2028	112.29758	109.6674245	107.1147112	104.6366716	102.2306543	99.89412063	97.62463844	95.41987719	93.27760282
230302A00028	3/2/2023	5.02	3/2/2026	102.47366	101.9615653	101.4545972	100.9526776	100.4557311	99.96368423	99.47646458	98.99400134	98.51622505
230302A00047	3/2/2023	4.76	3/2/2028	112.11457	109.595611	107.1499416	104.7749554	102.4681548	100.2271483	98.0496445	95.93344758	93.87645244
230303A00035	5/15/2023	4.65	5/15/2030	123.01408	117.8659098	112.9695774	108.3113109	103.8781752	99.65801262	95.63939169	91.81155936	88.16439668
230303A00036	5/15/2023	4.53	5/15/2028	113.09732	110.2460756	107.4825269	104.8033953	102.2055529	99.6860108	97.24191256	94.87052663	92.56924013
230303A00037	5/15/2023	4.81	5/15/2026	103.3348	102.6141148	101.9035138	101.20279	100.5117378	99.83015773	99.15785543	98.49464198	97.84033356
230303A00038	4/14/2023	4.56	4/14/2028	112.76724	110.008793	107.3331224	104.7372182	102.218204	99.77332732	97.3999534	95.09555923	92.85772796
230303A00041	4/14/2023	4.56	4/14/2028	112.76724	110.008793	107.3331224	104.7372182	102.218204	99.77332732	97.3999534	95.09555923	92.85772796
230303A00057	3/3/2023	4.77	3/3/2027	107.4604	105.9087535	104.3877045	102.8964187	101.4340957	99.99996338	98.59327662	97.21331612	95.85938724
230303A00059	3/3/2023	4.56	3/3/2027	107.25015	105.6983517	104.1771825	102.6858096	101.2234309	99.7892731	98.38258961	97.00265987	95.64878806
230307A00004	3/7/2023	4.67	3/7/2028	112.53051	109.8804981	107.3088703	104.8128097	102.3896189	100.036716	97.75162807	95.53198634	93.37552058
230307A00020	3/7/2023	4.98	3/9/2026	102.54831	102.0165758	101.4903698	100.9696102	100.4542125	99.94409402	99.43917366	98.93937208	98.44461152
230307A00021	3/7/2023	4.63	3/7/2028	112.43855	109.7921616	107.2229551	104.7282138	102.3053388	99.9518389	97.66532497	95.4435054	93.28418135
230307A00022	3/7/2023	4.77	3/8/2027	107.53309	105.9671091	104.4321484	102.9273602	101.4519266	100.005059	98.58599656	97.19400496	95.82837544
230307A00026	3/7/2023	4.98	3/6/2026	102.50761	101.9843215	101.4663888	100.9537308	100.446267	99.94391875	99.44660869	98.95426115	98.46680198
230307A00034	3/7/2023	4.41	3/7/2028	112.06446	109.4189272	106.8506535	104.3569254	101.9351384	99.58279582	97.29750363	95.07696553	92.91897826
230307A00114	3/7/2023	4.65	3/7/2028	112.48968	109.84264	107.2727882	104.777416	102.3539241	99.99982079	97.71271656	95.49031942	93.33043014
230308A00019	3/8/2023	5.05	3/9/2026	102.58523	102.0533837	101.5270667	101.006197	100.49069	99.98046295	99.47543486	98.97552634	98.48065961
230309A00004	3/9/2023	4.86	3/9/2027	107.68635	106.1163872	104.5775504	103.0689875	101.5898766	100.1394252	98.71686875	97.32146965	95.95251574
230309A00005	3/9/2023	5.06	3/9/2026	102.59051	102.0586419	101.5323091	101.0114237	100.495901	99.98565851	99.48061504	98.98069124	98.48580934
230309A00027	3/9/2023	4.68	3/9/2028	112.5936	109.9396114	107.3631231	104.8614062	102.4318471	100.0719402	97.77928323	95.55157188	93.38659545
230309A00030	3/9/2023	5.01	3/9/2026	102.56414	102.0323506	101.5060971	100.9852903	100.4698457	99.9596807	99.45471418	98.95486676	98.4600607
230309A00031	3/9/2023	5.01	3/9/2026	102.56414	102.0323506	101.5060971	100.9852903	100.4698457	99.9596807	99.45471418	98.95486676	98.4600607

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230309A00032	3/9/2023	4.82	3/9/2027	107.6247	106.055228	104.5168767	103.0087907	101.5301484	100.0801577	98.6580541	97.26310024	95.89458416
230309A00033	3/9/2023	4.82	3/9/2027	107.6247	106.055228	104.5168767	103.0087907	101.5301484	100.0801577	98.6580541	97.26310024	95.89458416
230309A00034	3/9/2023	4.64	3/9/2028	112.4911	109.8384367	107.2632443	104.7627945	102.3344743	99.97577924	97.68430765	95.45775614	93.29391471
230309A00035	3/9/2023	4.64	3/9/2028	112.4911	109.8384367	107.2632443	104.7627945	102.3344743	99.97577924	97.68430765	95.45775614	93.29391471
230309A00036	3/9/2023	4.46	3/9/2028	112.21883	109.5656948	106.9901433	104.4894441	102.0609776	99.70223311	97.41080312	95.18437873	93.02074478
230309A00038	3/9/2023	4.85	3/9/2026	102.51696	101.9848699	101.4583176	100.9372213	100.4214962	99.9110594	99.40582963	98.90572727	98.41067431
230309A00041	3/9/2023	4.85	3/9/2026	102.51696	101.9848699	101.4583176	100.9372213	100.4214962	99.9110594	99.40582963	98.90572727	98.41067431
230309A00057	3/9/2023	4.86	3/9/2027	107.68635	106.1163872	104.5775504	103.0689875	101.5898766	100.1394252	98.71686875	97.32146965	95.95251574
230309A00080	3/9/2023	4.68	3/9/2028	112.5936	109.9396114	107.3631231	104.8614062	102.4318471	100.0719402	97.77928323	95.55157188	93.38659545
230309A00091	3/9/2023	4.68	3/9/2028	112.5936	109.9396114	107.3631231	104.8614062	102.4318471	100.0719402	97.77928323	95.55157188	93.38659545
230309A00096	3/9/2023	4.68	3/9/2028	112.5936	109.9396114	107.3631231	104.8614062	102.4318471	100.0719402	97.77928323	95.55157188	93.38659545
230310A00017	3/10/2023	4.43	3/9/2029	116.63328	112.8714369	109.2541359	105.7750143	102.4280278	99.20743079	96.10776027	93.12381995	90.25066577
230310A00024	3/10/2023	4.38	3/10/2028	111.83761	109.1906098	106.6210264	104.1261324	101.7033137	99.35006461	97.06398282	94.8427642	92.6841982
230310A00030	3/10/2023	4.38	3/10/2028	111.83761	109.1906098	106.6210264	104.1261324	101.7033137	99.35006461	97.06398282	94.8427642	92.6841982
230310A00037	3/10/2023	4.69	3/10/2026	102.40812	101.8740358	101.345535	100.8225348	100.3049492	99.79269425	99.28568776	98.78384911	98.28709935
230310A00039	3/10/2023	4.33	3/10/2028	111.70935	109.0640051	106.4960451	104.0027382	101.5814714	99.22974016	96.94514317	94.72537727	92.56823287
230310A00047	6/9/2023	4.22	6/9/2028	112.55047	109.6361633	106.813404	104.0787395	101.4288743	98.86065942	96.37108477	93.95727188	91.61646717
230310A00049	3/10/2023	4.7	3/10/2026	102.41343	101.8793216	101.3508049	100.8277887	100.3101874	99.79791682	99.2908948	98.78904072	98.29227566
230310A00054	9/8/2023	4.09	9/11/2028	113.28598	110.0955209	107.0133497	104.0351712	101.1568875	98.37458703	95.68453462	93.08316268	90.56706247
230310A00069	3/10/2023	4.7	3/9/2026	102.40064	101.8693445	101.3435823	100.8232632	100.3083028	99.7986183	99.29412883	98.79475502	98.30041913
230310A00071	3/10/2023	4.38	3/10/2028	111.83761	109.1906098	106.6210264	104.1261324	101.7033137	99.35006461	97.06398282	94.8427642	92.6841982
230310A00073	3/10/2023	4.7	3/6/2026	102.36226	101.839409	101.3219076	100.8096778	100.3026391	99.80071282	99.30382169	98.8118901	98.32484391
230310A00089	3/10/2023	4.7	3/10/2026	102.41343	101.8793216	101.3508049	100.8277887	100.3101874	99.79791682	99.2908948	98.78904072	98.29227566
230310A00091	3/10/2023	4.53	3/10/2027	107.19158	105.6228363	104.0852296	102.5779091	101.1000513	99.65086222	98.22957601	96.83545364	95.46778179
230310A00092	3/10/2023	4.38	3/10/2028	111.83761	109.1906098	106.6210264	104.1261324	101.7033137	99.35006461	97.06398282	94.8427642	92.6841982
230310A00114	3/10/2023	4.5	3/10/2027	107.14526	105.5768847	104.0396433	102.5326817	101.0551766	99.60633425	98.18538883	96.79160152	95.42425916
230310A00120	3/10/2023	4.33	3/10/2028	111.70935	109.0640051	106.4960451	104.0027382	101.5814714	99.22974016	96.94514317	94.72537727	92.56823287
230313A00036	3/13/2023	4.06	3/13/2028	111.05233	108.4071485	105.8395736	103.3468594	100.9263782	98.57561151	96.29214516	94.07366393	91.91794695
230313A00048	3/13/2023	4.25	3/13/2026	102.20946	101.6676591	101.1316168	100.601243	100.0764477	99.55714308	99.04324302	98.53466325	98.03132124
230313A00052	3/13/2023	4.17	3/15/2027	106.70006	105.1215387	103.5745118	102.0581067	100.5714842	99.11383578	97.68438159	96.28236943	94.90707346
230313A00057	3/13/2023	4.06	3/13/2028	111.05233	108.4071485	105.8395736	103.3468594	100.9263782	98.57561151	96.29214516	94.07366393	91.91794695
230313A00061	3/13/2023	4.06	3/13/2028	111.05233	108.4071485	105.8395736	103.3468594	100.9263782	98.57561151	96.29214516	94.07366393	91.91794695
230313A00072	3/13/2023	4.06	3/13/2028	111.05233	108.4071485	105.8395736	103.3468594	100.9263782	98.57561151	96.29214516	94.07366393	91.91794695

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230313A00078	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00090	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00091	3/13/2023	4.15	3/13/2028	111.28396	108.6357724	106.065257	103.5696682	101.1463761	98.79286047	96.50670513	94.28559311	92.12730181
230313A00098	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00102	3/13/2023	4.15	3/13/2028	111.28396	108.6357724	106.065257	103.5696682	101.1463761	98.79286047	96.50670513	94.28559311	92.12730181
230313A00112	3/13/2023	4.15	3/13/2028	111.28396	108.6357724	106.065257	103.5696682	101.1463761	98.79286047	96.50670513	94.28559311	92.12730181
230313A00119	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00121	3/13/2023	4.29	3/15/2027	106.88702	105.3069894	103.7584759	102.2406102	100.7525526	99.29349362	97.86265287	96.45927751	95.08264108
230313A00123	3/13/2023	4.22	9/15/2027	109.19064	107.0756257	105.0128344	103.0006344	101.0374556	99.12178821	97.25218005	95.42723375	93.64560432
230313A00128	3/13/2023	4.18	12/15/2027	110.25686	107.8737676	105.5546974	103.297514	101.1001679	98.9606929	96.87720158	94.84788179	92.87099291
230313A00134	3/13/2023	4.16	4/14/2028	111.70198	108.9578324	106.2961246	103.7138636	101.2081831	98.77633999	96.41570884	94.12377543	91.89813138
230313A00135	3/13/2023	4.17	6/15/2028	112.48291	109.5522935	106.7142082	103.9651779	101.3018807	98.72114028	96.21991894	93.79531011	91.444532
230313A00149	3/13/2023	4.15	3/13/2028	111.28396	108.6357724	106.065257	103.5696682	101.1463761	98.79286047	96.50670513	94.28559311	92.12730181
230313A00152	3/13/2023	4.18	3/13/2028	111.22629	108.5817091	106.0146454	103.5223583	101.1022247	98.75173096	96.46846714	94.25012217	92.09447904
230313A00158	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00159	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00177	3/13/2023	4.41	3/13/2026	102.29563	101.7535576	101.217252	100.6866167	100.1615619	99.64199976	99.12784406	98.61901055	98.11541665
230313A00179	3/13/2023	4.29	3/15/2027	106.88702	105.3069894	103.7584759	102.2406102	100.7525526	99.29349362	97.86265287	96.45927751	95.08264108
230313A00180	3/13/2023	4.15	3/13/2028	111.28396	108.6357724	106.065257	103.5696682	101.1463761	98.79286047	96.50670513	94.28559311	92.12730181
230313A00215	3/13/2023	4.13	3/13/2028	111.23249	108.5849671	106.0151051	103.5201551	101.0974877	98.74458292	96.45902514	94.23849774	92.08077851
230314A00003	3/14/2023	4.64	3/16/2026	102.45738	101.9064865	101.3615341	100.8224296	100.2890791	99.76139048	99.23927369	98.72264056	98.2114048
230314A00011	3/14/2023	4.38	3/14/2028	111.88867	109.2298404	106.6489941	104.1433781	101.7103503	99.34737884	97.05203675	94.82199658	92.65502583
230314A00014	3/14/2023	4.18	3/14/2028	111.33118	108.7206474	106.1875486	103.7290833	101.3425734	99.02545579	96.77527683	94.58968666	92.46643407
230314A00015	3/14/2023	4.55	9/14/2026	104.73742	103.6696171	102.6236671	101.5989071	100.5946966	99.6104208	98.64548937	97.69933498	96.77141234
230314A00016	3/14/2023	4.38	3/14/2028	111.88867	109.2298404	106.6489941	104.1433781	101.7103503	99.34737884	97.05203675	94.82199658	92.65502583
230314A00017	3/14/2023	4.39	1/18/2028	111.18089	108.6923565	106.2729391	103.9203292	101.6323115	99.40675754	97.24162135	95.13493592	93.08480959
230314A00019	3/14/2023	4.39	1/18/2028	111.18089	108.6923565	106.2729391	103.9203292	101.6323115	99.40675754	97.24162135	95.13493592	93.08480959
230314A00021	3/14/2023	4.41	10/13/2027	109.95932	107.7570477	105.610482	103.5178231	101.4773461	99.4873948	97.54637883	95.65277002	93.80509968
230314A00024	3/14/2023	4.41	10/13/2027	109.95932	107.7570477	105.610482	103.5178231	101.4773461	99.4873948	97.54637883	95.65277002	93.80509968
230314A00028	3/14/2023	4.43	7/14/2027	108.77759	106.8421519	104.9510976	103.1031409	101.297046	99.53162082	97.80571447	96.11821612	94.46805312
230314A00030	3/14/2023	4.43	7/14/2027	108.77759	106.8421519	104.9510976	103.1031409	101.297046	99.53162082	97.80571447	96.11821612	94.46805312
230314A00032	3/14/2023	4.45	4/14/2027	107.55201	105.8826875	104.2477022	102.6460596	101.0768044	99.53901771	98.03181534	96.55434607	95.10579016
230314A00034	3/14/2023	4.45	4/14/2027	107.55201	105.8826875	104.2477022	102.6460596	101.0768044	99.53901771	98.03181534	96.55434607	95.10579016

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230314A00054	3/14/2023	4.46	3/15/2027	107.15189	105.5697112	104.0190918	102.499157	101.0090661	99.54800889	98.11520386	96.70989729	95.33136189
230314A00067	3/14/2023	4.16	3/14/2028	111.51119	108.8532417	106.2733687	103.7688067	101.336908	98.97513524	96.68105636	94.45233918	92.28674674
230314A00070	3/14/2023	4.25	3/12/2027	106.89692	105.3231796	103.780776	102.2688423	100.7865469	99.33308798	97.90769239	96.50961409	95.13813314
230314A00081	3/14/2023	4.16	3/14/2028	111.51119	108.8532417	106.2733687	103.7688067	101.336908	98.97513524	96.68105636	94.45233918	92.28674674
230315A00007	3/15/2023	4.2	3/16/2026	102.21677	101.666623	101.122416	100.5840512	100.0514348	99.52447467	99.0030809	98.48716539	97.9766419
230315A00010	3/15/2023	4.2	3/13/2026	102.18254	101.6408158	101.1048559	100.5745637	100.0498495	99.53062537	99.0168052	98.50830472	98.00504142
230315A00013	3/15/2023	4.2	3/16/2026	102.21677	101.666623	101.122416	100.5840512	100.0514348	99.52447467	99.0030809	98.48716539	97.9766419
230315A00016	3/15/2023	4.08	3/16/2027	106.57246	104.9922274	103.4435572	101.9255719	100.4374296	98.97831879	97.54745691	96.14408923	94.76748751
230315A00023	3/15/2023	4.2	3/16/2026	102.21677	101.666623	101.122416	100.5840512	100.0514348	99.52447467	99.0030809	98.48716539	97.9766419
230315A00024	3/15/2023	4.03	3/15/2028	110.99869	108.3486472	105.7764673	103.2793959	100.8547918	98.50012423	96.21296722	93.99099453	91.8319749
230315A00030	3/15/2023	4.03	3/15/2028	110.99869	108.3486472	105.7764673	103.2793959	100.8547918	98.50012423	96.21296722	93.99099453	91.8319749
230315A00055	3/15/2023	4.2	3/11/2026	102.15973	101.6236248	101.0931608	100.5682489	100.0488022	99.53473536	99.02596491	98.52240908	98.02398781
230315A00068	3/15/2023	4.2	3/16/2026	102.21677	101.666623	101.122416	100.5840512	100.0514348	99.52447467	99.0030809	98.48716539	97.9766419
230315A00084	3/15/2023	4.08	3/24/2027	106.67344	105.0704305	103.4996779	101.9602783	100.4513609	98.97208728	97.52164906	96.09926712	94.70419005
230315A00098	3/15/2023	4.08	3/15/2027	106.55984	104.9824507	103.4365388	101.921229	100.4356829	98.9790924	97.55067813	96.14968836	94.77539774
230315A00116	3/15/2023	4.36	3/16/2026	102.30426	101.7538461	101.209368	100.6707343	100.1378509	99.61062587	99.08896919	98.57279273	98.06201023
230315A00117	3/15/2023	4.17	3/15/2027	106.70006	105.1215387	103.5745118	102.0581067	100.5714842	99.11383578	97.68438159	96.28236943	94.90707346
230315A00125	3/15/2023	4.11	3/15/2027	106.60658	105.0288134	103.4825298	101.9668549	100.48095	99.02400686	97.59524595	96.19391538	94.81928964
230315A00131	3/15/2023	4.13	3/15/2027	106.63774	105.0597218	103.5131905	101.9972721	100.5111281	99.05394984	97.62495783	96.22340006	94.84855091
230316A00001	3/16/2023	3.81	3/16/2028	110.63136	107.979291	105.4053204	102.9066735	100.4806966	98.12484681	95.83668693	93.61388014	91.45418523
230316A00017	3/16/2023	3.81	3/16/2028	110.63136	107.979291	105.4053204	102.9066735	100.4806966	98.12484681	95.83668693	93.61388014	91.45418523
230316A00021	3/16/2023	4.2	3/16/2026	102.21677	101.666623	101.122416	100.5840512	100.0514348	99.52447467	99.0030809	98.48716539	97.9766419
230316A00032	3/16/2023	4.39	3/16/2026	102.32067	101.7702004	101.2256715	100.6869874	100.1540539	99.62677922	99.10507324	98.58884785	98.07801679
230316A00046	3/16/2023	4.18	6/16/2026	103.25528	102.4459769	101.6493929	100.8652265	100.0931884	99.33299838	98.5843847	97.84708396	97.12084069
230316A00047	3/16/2023	4.07	9/16/2027	108.89266	106.7779356	104.7154929	102.7036908	100.7409558	98.82577489	96.95669279	95.13230934	93.35127688
230316A00048	3/16/2023	4.05	6/16/2028	112.15444	109.2256252	106.3894014	103.6422877	100.9809611	98.40224401	95.90309709	93.4806121	91.13200536
230316A00055	3/16/2023	4.03	3/16/2028	111.01048	108.3574999	105.7825269	103.2827973	100.8556632	98.49858713	96.20913688	93.98498042	91.823881
230316A00060	3/16/2023	3.89	3/16/2027	106.3879	104.8072853	103.258273	101.7399841	100.2515748	98.79223199	97.36117159	95.95763742	94.58089987
230316A00061	3/16/2023	4.31	9/16/2025	100.17478	100.1302924	100.0858568	100.0414771	99.99715317	99.95288496	99.90867234	99.8645152	99.82041342
230316A00067	3/16/2023	3.89	3/16/2027	106.3879	104.8072853	103.258273	101.7399841	100.2515748	98.79223199	97.36117159	95.95763742	94.58089987
230316A00072	3/16/2023	4.1	3/16/2027	106.60367	105.0231907	103.4742718	101.9560423	100.46766	99.00831326	97.5772195	96.17362385	94.79679795
230316A00076	3/16/2023	4.45	3/16/2026	102.35348	101.8029091	101.2582785	100.7194935	100.18646	99.65908592	99.13728135	98.6209581	98.11002991
230316A00078	3/16/2023	4.34	3/16/2027	106.97827	105.3947498	103.8428475	102.3216868	100.8304243	99.36824687	97.93437055	96.52803923	95.14852333

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230316A00082	3/16/2023	4.3	3/16/2028	111.70764	109.0455779	106.4617278	103.9533203	101.5177013	99.15232732	96.8547607	94.62266393	92.45379501
230316A00113	3/16/2023	4.28	3/16/2026	102.29899	101.7481202	101.2031993	100.6641335	100.1308287	99.60319249	99.08113465	98.56456676	98.05340231
230317A00015	3/17/2023	4.13	3/17/2028	111.28076	108.6214682	106.040407	103.5347984	101.1019851	98.7394209	96.44466539	94.21537865	92.04931647
230317A00016	3/17/2023	4.22	3/17/2027	106.80398	105.2191303	103.665955	102.1435782	100.6511537	99.18786564	97.75292759	96.34558102	94.96509408
230317A00025	3/17/2023	4.35	3/17/2026	102.31061	101.7574014	101.2101881	100.6688776	100.1333744	99.6035851	99.07941848	98.56078509	98.04759741
230317A00026	3/17/2023	4.22	3/17/2027	106.80398	105.2191303	103.665955	102.1435782	100.6511537	99.18786564	97.75292759	96.34558102	94.96509408
230317A00047	3/17/2023	4.1	3/17/2028	111.06786	108.4142243	105.8386125	103.3382575	100.9105104	98.55283302	96.26279246	94.03805596	91.87638614
230317A00048	3/17/2023	4.1	3/17/2028	111.06786	108.4142243	105.8386125	103.3382575	100.9105104	98.55283302	96.26279246	94.03805596	91.87638614
230317A00049	3/17/2023	4.1	3/17/2028	111.06786	108.4142243	105.8386125	103.3382575	100.9105104	98.55283302	96.26279246	94.03805596	91.87638614
230317A00050	3/17/2023	4.1	3/17/2028	111.06786	108.4142243	105.8386125	103.3382575	100.9105104	98.55283302	96.26279246	94.03805596	91.87638614
230317A00051	3/17/2023	4.35	3/17/2026	102.31061	101.7574014	101.2101881	100.6688776	100.1333744	99.6035851	99.07941848	98.56078509	98.04759741
230320A00006	3/20/2023	4.25	3/20/2026	102.29028	101.7287998	101.1735037	100.6242853	100.0810451	99.54368559	99.01211141	98.4862293	97.96594796
230320A00033	3/20/2023	4.35	3/20/2026	102.34607	101.7844178	101.2289457	100.6795527	100.1361393	99.59860782	99.06686305	98.54081165	98.02036232
230320A00092	3/20/2023	4.31	3/20/2026	102.32375	101.7621706	101.2067689	100.6574458	100.1141016	99.57663893	99.0449624	98.51897871	97.99859658
230321A00001	3/21/2023	4.48	3/23/2026	102.45514	101.8848075	101.3208375	100.7631263	100.21157	99.66606672	99.12651719	98.59282407	98.06489221
230321A00002	3/21/2023	4.33	3/19/2027	107.00262	105.4106517	103.8505639	102.3214656	100.8225026	99.3528518	97.91171963	96.49834091	95.11197746
230321A00009	3/21/2023	4.27	3/21/2028	111.69248	109.0166499	106.4197316	103.8989137	101.4515077	99.07493777	96.7667356	94.52453496	92.34606678
230321A00053	3/21/2023	4.27	3/21/2028	111.69248	109.0166499	106.4197316	103.8989137	101.4515077	99.07493777	96.7667356	94.52453496	92.34606678
230321A00074	3/21/2023	4.23	3/21/2028	111.58863	108.9141677	106.3185784	103.7990596	101.3529237	98.9775957	96.67060824	94.42959587	92.2522903
230322A00007	3/22/2023	4.54	3/21/2031	125.90976	119.7812506	113.9990121	108.5415284	103.3887355	98.521915	93.92359688	89.57746956	85.46829714
230322A00009	3/22/2023	4.59	3/22/2032	129.7206	122.4111344	115.5781068	109.1876995	103.208676	97.61216703	92.37147966	87.46192199	82.86064309
230322A00015	3/22/2023	4.24	3/22/2028	111.62697	108.9492102	106.3504786	103.8279614	101.3789636	99.00090347	96.69130714	94.44780306	92.26811717
230322A00020	3/22/2023	4.2	3/22/2029	116.23694	112.4384129	108.7871808	105.2767004	101.9007591	98.65345508	95.52917941	92.52259977	89.62864519
230323A00028	3/23/2023	4.1	3/23/2028	111.0371	108.4121872	105.8656228	103.3945523	100.9962476	98.66809895	96.40760893	94.21238667	92.08014251
230323A00029	3/23/2023	4.39	3/24/2031	125.09013	118.9756937	113.2074947	107.7639858	102.6250734	97.77201334	93.18731338	88.85464303	84.75875029
230323A00030	3/23/2023	4.72	3/23/2037	145.21294	132.0480056	120.2779003	109.7445633	100.3087221	91.84756852	84.25273102	77.42850637	71.29031618
230323A00034	3/23/2023	4.23	3/23/2026	102.31357	101.7436939	101.1801766	100.6229144	100.0718036	99.52674236	98.98763139	98.45437345	97.9268734
230323A00048	3/23/2023	4.07	3/23/2028	111.19707	108.5221567	105.9262865	103.4066394	100.9605173	98.58533563	96.27861779	94.03798986	91.86117559
230323A00051	3/23/2023	3.85	3/23/2028	110.81521	108.1412385	105.5463952	103.0278562	100.5829175	98.20898902	95.90358905	93.66433881	91.4889575
230323A00054	3/23/2023	3.95	3/23/2028	110.88487	108.2140566	105.6221902	103.1064566	100.6641605	98.29271996	95.98966108	93.75261235	91.57929991
230323A00056	3/23/2023	4	3/23/2027	106.53439	104.9352687	103.3682966	101.8325756	100.327239	98.85145204	97.40441029	95.98533804	94.59348722
230323A00058	3/23/2023	3.96	9/23/2027	108.75101	106.6178169	104.5376812	102.5089321	100.5299605	98.59921969	96.71522248	94.87653859	93.08179187
230323A00065	3/23/2023	3.85	3/23/2028	110.81521	108.1412385	105.5463952	103.0278562	100.5829175	98.20898902	95.90358905	93.66433881	91.4889575

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230323A00081	3/23/2023	3.85	3/23/2028	110.81521	108.1412385	105.5463952	103.0278562	100.5829175	98.20898902	95.90358905	93.66433881	91.4889575
230324A00001	3/24/2023	4.04	6/24/2026	103.23313	102.4017005	101.5836824	100.7787556	99.98660727	99.20693453	98.43944401	97.68385148	96.93988148
230324A00006	3/24/2023	4.06	3/24/2026	102.22832	101.6559392	101.0899797	100.5303324	99.97689201	99.42955559	98.88822237	98.3527938	97.82317351
230324A00021	3/24/2023	3.72	3/24/2028	110.02492	107.4639681	104.9792013	102.5678495	100.2272611	97.95489985	95.74833863	93.60525396	91.52342072
230324A00023	3/24/2023	3.69	3/24/2028	110.40961	107.7381834	105.1459046	102.6299456	100.187599	97.81627163	95.51347898	93.27683966	91.10407049
230324A00032	3/24/2023	3.93	3/24/2028	110.84435	108.1712836	105.5772953	103.0595607	100.6153781	98.2421594	95.93742466	93.698797	91.52399737
230324A00036	3/24/2023	3.98	3/24/2027	106.51513	104.9134221	103.3439473	101.8058029	100.298119	98.82005741	97.37081056	95.94959981	94.5556743
230324A00050	3/24/2023	4.13	3/24/2026	101.33519	100.999098	100.6657648	100.3351495	100.0072151	99.68192566	99.35924564	99.0391403	98.72157551
230327A00046	3/27/2023	4.22	3/27/2026	102.35374	101.7726208	101.1981082	100.6300897	100.0684556	99.51309861	98.96391379	98.42079856	97.8836526
230327A00047	3/27/2023	4.08	3/27/2028	111.2708	108.5837706	105.9763657	103.4457378	100.9891603	98.60402158	96.28781988	94.03815737	91.85273529
230328A00019	3/28/2023	4.12	3/27/2026	102.33658	101.7550163	101.1800698	100.6116291	100.049584	99.493827	98.94425284	98.40075865	97.8632438
230328A00020	3/28/2023	3.98	3/28/2028	111.21305	108.5198792	105.9066656	103.3705395	100.9087585	98.518696	96.197836	93.94376735	91.75417867
230328A00024	3/28/2023	4.2	3/28/2028	111.5966	108.9024878	106.2882358	103.7509893	101.2880117	98.89668214	96.57448983	94.31902851	92.12799142
230328A00026	3/28/2023	4.34	3/28/2029	116.54653	112.7324005	109.0664563	105.5421049	102.1530819	98.89343705	95.75751624	92.73994507	89.83561326
230328A00027	3/28/2023	4.22	3/28/2028	111.33294	108.7054748	106.1566074	103.6834637	101.2832975	98.95348242	96.69150567	94.49496215	92.36154902
230328A00028	3/28/2023	4.34	3/27/2026	102.76458	102.1010197	101.4460748	100.7995822	100.1613785	99.53130486	98.90920621	98.2949315	97.68833346
230328A00037	3/28/2023	4.21	3/28/2028	111.57554	108.8868576	106.2790739	103.749229	101.2944886	98.91214232	96.59959698	94.3543709	92.17408803
230328A00045	3/28/2023	4.21	3/28/2028	111.57554	108.8868576	106.2790739	103.749229	101.2944886	98.91214232	96.59959698	94.3543709	92.17408803
230328A00047	3/28/2023	4.21	3/28/2028	111.57554	108.8868576	106.2790739	103.749229	101.2944886	98.91214232	96.59959698	94.3543709	92.17408803
230328A00051	3/28/2023	4.53	3/28/2033	129.60309	121.9717814	114.888382	108.3096395	102.1959684	96.51111969	91.22188098	86.29780625	81.71097038
230328A00052	3/28/2023	4.53	3/28/2033	129.60309	121.9717814	114.888382	108.3096395	102.1959684	96.51111969	91.22188098	86.29780625	81.71097038
230328A00098	3/28/2023	4.24	3/29/2027	106.99209	105.3727026	103.7860545	102.2312183	100.7073045	99.21345624	97.74884807	96.31268452	94.90419867
230328A00100	3/28/2023	4.19	3/28/2028	111.57045	108.8766767	106.2627618	103.7258448	101.2631894	98.8721748	96.55029052	94.29513048	92.10438815
230328A00111	3/28/2023	4.36	3/27/2026	102.43457	101.8531887	101.2784128	100.7101332	100.1482401	99.59262616	99.04318645	98.49981833	97.96242148
230329A00020	3/29/2023	4.23	3/29/2028	111.68742	108.9893128	106.371237	103.8303271	101.3638387	98.96914338	96.64372345	94.38516607	92.19115826
230329A00043	3/29/2023	4.36	3/27/2026	102.43457	101.8531887	101.2784128	100.7101332	100.1482401	99.59262616	99.04318645	98.49981833	97.96242148
230330A00011	3/30/2023	4.21	3/30/2028	111.64735	108.9469727	106.3267615	103.7838383	101.3154522	98.91896867	96.5918639	94.33171959	92.13621752
230330A00062	3/30/2023	4.42	3/30/2026	102.50525	101.9152941	101.3321305	100.7556451	100.1857238	99.62225471	99.06512883	98.51423939	97.96948208
230330A00083	3/30/2023	4.1	3/30/2027	106.89623	105.2729392	103.6825296	102.1240686	100.5966607	99.09944368	97.63158689	96.19228992	94.78078116
230331A00014	3/31/2023	4.34	3/31/2026	102.47019	101.8775639	101.2917973	100.7127684	100.1403613	99.57446305	99.01496298	98.46175305	97.9147276
230331A00033	3/31/2023	4.34	3/31/2026	102.47019	101.8775639	101.2917973	100.7127684	100.1403613	99.57446305	99.01496298	98.46175305	97.9147276
230331A00057	3/31/2023	4.08	3/31/2028	111.31852	108.6197026	106.0010904	103.459804	100.9930883	98.59830509	96.27292709	94.01453275	91.82080087
230404A00002	4/4/2023	4.1	4/2/2027	106.82009	105.1909723	103.5949284	102.0310193	100.4983408	98.99602248	97.52322606	96.07914377	94.66299711

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230405A00008	4/5/2023	4.01	10/6/2025	100.36025	100.2602382	100.1604338	100.0608379	99.96144974	99.86226877	99.76329428	99.66452558	99.56596201
230405A00010	4/5/2023	3.96	4/6/2026	102.3104	101.7017082	101.100272	100.5059579	99.91863983	99.33819453	98.76450174	98.19744397	97.63690644
230405A00012	4/5/2023	3.8	4/5/2028	110.64074	107.9365927	105.3131926	102.767631	100.2971209	97.89899393	95.57069503	93.30977637	91.11389221
230405A00021	4/5/2023	3.96	4/6/2026	102.3104	101.7017082	101.100272	100.5059579	99.91863983	99.33819453	98.76450174	98.19744397	97.63690644
230405A00022	4/5/2023	3.8	4/5/2028	110.64074	107.9365927	105.3131926	102.767631	100.2971209	97.89899393	95.57069503	93.30977637	91.11389221
230405A00037	4/5/2023	3.71	4/6/2026	102.2016	101.5927523	100.9911668	100.3967135	99.80926583	99.22870033	98.6548964	98.08773625	97.52710481
230405A00044	4/5/2023	3.8	4/5/2028	110.64074	107.9365927	105.3131926	102.767631	100.2971209	97.89899393	95.57069503	93.30977637	91.11389221
230405A00046	4/5/2023	3.82	10/5/2027	108.59925	106.4339246	104.3230423	102.2648624	100.2577121	98.29998523	96.39013815	94.52668732	92.70820622
230405A00049	4/5/2023	3.81	4/5/2028	110.66712	107.9626217	105.3388788	102.7929823	100.3221448	97.92369774	95.59508587	93.33386111	91.13767754
230406A00016	4/6/2023	3.89	4/6/2028	110.28976	107.7221468	105.2313079	102.8144242	100.4688042	98.19187445	95.98117363	93.83434645	91.74913837
230406A00023	4/6/2023	3.84	4/6/2028	110.75776	108.049194	105.4215615	102.8719449	100.3975483	97.99569532	95.66382303	93.39947631	91.20030252
230406A00026	4/6/2023	3.92	4/6/2027	106.58107	104.9426326	103.3376167	101.7650646	100.2240572	98.71370982	97.23317086	95.78161991	94.35826648
230406A00029	4/6/2023	3.84	4/6/2028	110.75776	108.049194	105.4215615	102.8719449	100.3975483	97.99569532	95.66382303	93.39947631	91.20030252
230406A00039	3/29/2024	3.43	3/31/2026	101.93467	101.3438373	100.7598475	100.1825807	99.61192125	99.04775632	98.48997553	97.93847099	97.39313724
230406A00041	5/31/2024	3.25	5/29/2026	102.34627	101.5907273	100.8463344	100.1128439	99.39001755	98.67762389	97.97543822	97.28324225	96.60082384
230406A00043	7/31/2024	3.2	7/31/2026	102.87761	101.9452159	101.0297057	100.1306259	99.24753713	98.3800155	97.52765203	96.69005194	95.86683407
230406A00044	9/30/2024	3.16	9/30/2026	103.437	102.3318451	101.2502891	100.1915794	99.15499758	98.13985523	97.14549213	96.17127495	95.21659585
230406A00045	4/29/2024	3.41	4/30/2027	106.02394	104.3224033	102.6565388	101.0252857	99.42762888	97.86259317	96.32924121	94.82667161	93.35401717
230406A00046	6/28/2024	3.35	6/30/2027	106.58384	104.7079077	102.8742749	101.0817474	99.32916791	97.61541936	95.93942264	94.30013525	92.69654988
230406A00047	8/30/2024	3.31	8/31/2027	107.14803	105.097048	103.0961571	101.1438163	99.23854375	97.37891334	95.56355203	93.79113762	92.06039643
230406A00049	10/31/2024	3.29	10/29/2027	107.71284	105.4912048	103.3267168	101.2174955	99.16173997	97.15772305	95.20378741	93.29834213	91.43985947
230406A00050	4/6/2023	3.67	4/6/2027	106.29235	104.6543573	103.0498141	101.4777612	99.93727802	98.42747854	96.94750973	95.49654999	94.07380764
230406A00052	4/6/2023	4.02	4/6/2026	102.3467	101.7378921	101.1363328	100.5418967	99.95445758	99.37389227	98.80008046	98.23290466	97.67225006
230406A00105	4/6/2023	3.84	4/6/2028	110.61982	107.9160571	105.2930393	102.7478558	100.2777188	97.87995972	95.5520229	93.29146017	91.09592547
230410A00011	4/10/2023	4.08	4/9/2027	106.87933	105.2298928	103.6142082	102.0313055	100.4802525	98.96015198	97.47014043	96.00938621	94.57708813
230410A00012	4/10/2023	3.98	4/10/2028	111.17504	108.4494437	105.8055142	103.2402976	100.7509634	98.33480249	95.98922127	93.71173562	91.49996558
230411A00054	4/11/2023	3.74	4/11/2028	110.74411	108.0172054	105.3722	102.8061226	100.316129	97.89949768	95.5536229	93.27600943	91.06426685
230412A00005	4/12/2023	4.16	4/10/2026	102.4762	101.8558619	101.2430537	100.6376346	100.0394714	99.44843388	98.86439505	98.28723088	97.71682028
230412A00006	4/12/2023	4.04	4/12/2027	106.85307	105.1953532	103.5716756	101.981052	100.4225381	98.8952256	97.39824007	95.93073973	94.49191379
230412A00007	4/12/2023	3.95	4/12/2028	111.11911	108.388514	105.7398807	103.1702313	100.6767201	98.25662424	95.90733676	93.6263612	91.41130597
230412A00028	4/12/2023	3.69	4/12/2028	110.62255	107.8944007	105.2482682	102.6811715	100.1902598	97.7728051	95.42619608	93.14793203	90.93561741
230412A00031	4/12/2023	3.91	4/10/2026	102.36545	101.7449549	101.1319975	100.5264396	99.92814752	99.33699077	98.75284202	98.17557694	97.60507412
230412A00033	4/12/2023	4.04	4/12/2027	106.85307	105.1953532	103.5716756	101.981052	100.4225381	98.8952256	97.39824007	95.93073973	94.49191379

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230412A00038	4/12/2023	3.69	4/12/2028	110.62255	107.8944007	105.2482682	102.6811715	100.1902598	97.7728051	95.42619608	93.14793203	90.93561741
230413A00017	4/13/2023	3.88	4/13/2028	110.94469	108.2135688	105.5645021	102.9945111	100.5007441	98.08047228	95.73108345	93.45007614	91.23505407
230413A00018	4/13/2023	3.96	4/13/2027	106.73491	105.0753681	103.4499379	101.8576366	100.2975162	98.76866499	97.27020543	95.80129272	94.36111324
230413A00020	4/13/2023	3.88	4/13/2028	110.94469	108.2135688	105.5645021	102.9945111	100.5007441	98.08047228	95.73108345	93.45007614	91.23505407
230413A00021	4/13/2023	4.07	4/13/2026	102.45356	101.8249978	101.2041599	100.5909088	99.98510569	99.38661524	98.79530534	98.21104707	97.63371458
230413A00031	4/13/2023	4.07	4/13/2026	102.45356	101.8249978	101.2041599	100.5909088	99.98510569	99.38661524	98.79530534	98.21104707	97.63371458
230413A00082	4/13/2023	4.01	4/13/2027	106.81685	105.1566121	103.5304991	101.9375272	100.376748	98.8472494	97.34815369	95.87861573	94.43782159
230417A00023	4/17/2023	3.86	4/7/2028	111.01588	108.2968312	105.6591591	103.0999206	100.6163002	98.20560264	95.86524746	93.59276282	91.38578029
230417A00037	4/17/2023	4.39	4/16/2026	102.68892	102.0512012	101.4214266	100.7994456	100.1851139	99.57829065	98.97883855	98.38662357	97.80151496
230417A00044	4/17/2023	4.32	4/17/2026	102.65625	102.0158775	101.3835123	100.7590065	100.142214	99.53299228	98.93120222	98.33670817	97.74937775
230417A00045	4/17/2023	4.21	4/16/2027	107.18488	105.5129998	103.875595	102.2716639	100.7002446	99.16041198	97.65127585	96.17197947	94.72169784
230417A00046	4/17/2023	4.13	4/17/2028	111.65903	108.9068235	106.2375055	103.6480556	101.1355844	98.69732753	96.330639	94.03298558	91.80194098
230417A00085	4/17/2023	4.68	4/17/2026	101.68053	101.3037214	100.9303772	100.5604445	100.1938716	99.83060794	99.47060397	99.11381118	98.76018209
230418A00035	4/18/2023	4.13	4/18/2028	106.04056	104.6191864	103.2307967	101.8743486	100.548842	99.25331649	97.98684924	96.74855345	95.53757652
230418A00059	4/18/2023	4.09	4/17/2026	102.55478	101.9142052	101.2816474	100.6569602	100.0399972	99.43061537	98.82867537	98.23404116	97.64658004
230419A00030	4/19/2023	4.39	4/20/2026	102.73624	102.0872529	101.4464843	100.8137791	100.1889857	99.57195604	98.96254572	98.360614	97.76602357
230419A00035	4/19/2023	4.16	4/19/2028	111.76397	109.0045939	106.3284442	103.7324847	101.2138093	98.76963774	96.3973095	94.09427743	91.85810217
230420A00024	4/20/2023	4.31	4/20/2026	102.68472	102.0359198	101.3953354	100.7628129	100.1382005	99.52135015	98.91211763	98.31036216	97.71594645
230420A00056	4/20/2023	4.38	4/20/2033	131.61623	123.1037286	115.2252341	107.9297269	101.1705661	94.90508716	89.09424282	83.70227826	78.69643699
230420A00059	4/20/2023	4.72	4/20/2038	147.57782	133.2107401	120.4848671	109.1998864	99.18107996	90.27592527	82.35116541	75.29027901	68.99129433
230420A00060	4/20/2023	4.72	4/20/2038	147.57782	133.2107401	120.4848671	109.1998864	99.18107996	90.27592527	82.35116541	75.29027901	68.99129433
230420A00063	4/20/2023	4.65	4/20/2037	144.57468	131.3683859	119.5703491	109.0200337	99.57609491	91.11399306	83.52391245	76.70894761	70.58352146
230420A00071	4/20/2023	4.31	4/20/2026	102.68472	102.0359198	101.3953354	100.7628129	100.1382005	99.52135015	98.91211763	98.31036216	97.71594645
230421A00006	4/21/2023	4.04	4/21/2028	111.46685	108.7057211	106.0280405	103.4307509	100.9109333	98.46579534	96.09266527	93.78898538	91.55230646
230421A00020	4/21/2023	4.23	4/21/2026	102.64459	101.9931572	101.3500105	100.7149919	100.0879477	99.46872813	98.85718713	98.25318227	97.65657463
230421A00025	4/21/2023	4.04	4/21/2028	111.46685	108.7057211	106.0280405	103.4307509	100.9109333	98.46579534	96.09266527	93.78898538	91.55230646
230421A00041	4/21/2023	4.22	4/21/2027	107.18314	105.498551	103.848866	102.2330694	100.6501807	99.09925743	97.57939286	96.08971463	94.62938294
230421A00043	4/21/2023	4.1	4/21/2028	111.62781	108.8645083	106.1847034	103.5853382	101.0634923	98.61637204	96.24130405	93.93572934	91.69719739
230421A00044	4/21/2023	4.13	10/21/2027	109.45659	107.2376591	105.0752958	102.9676544	100.9129681	98.90954178	96.95574795	95.05002372	93.19086762
230421A00062	4/21/2023	4.33	4/21/2028	106.342	104.8933603	103.4785057	102.0963718	100.7459322	99.42620083	98.13623066	96.87511143	95.64196804
230421A00064	4/21/2023	4.1	4/21/2028	111.62781	108.8645083	106.1847034	103.5853382	101.0634923	98.61637204	96.24130405	93.93572934	91.69719739
230424A00003	4/24/2023	4.15	4/26/2027	107.21864	105.5180605	103.8529433	102.222242	100.6249533	99.06011301	97.52679395	96.02410435	94.55118605
230424A00005	4/24/2023	4.08	4/24/2028	111.61068	108.8389755	106.1512233	103.5443431	101.0153908	98.56155064	96.18012864	93.86854631	91.62433481

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230424A00012	4/24/2023	4.28	4/24/2026	102.7115	102.0514987	101.3999913	100.7568174	100.1218176	99.49483664	98.87572309	98.26432935	97.66051147
230424A00026	4/24/2023	4.28	4/24/2026	102.7115	102.0514987	101.3999913	100.7568174	100.1218176	99.49483664	98.87572309	98.26432935	97.66051147
230424A00064	4/24/2023	4.28	4/24/2026	102.7115	102.0514987	101.3999913	100.7568174	100.1218176	99.49483664	98.87572309	98.26432935	97.66051147
230425A00006	4/25/2023	3.89	4/24/2026	102.50212	101.8422937	101.1909755	100.547999	99.91320456	99.28643651	98.66754311	98.05637646	97.45279231
230425A00011	4/25/2023	4.3	9/25/2025	100.26955	100.200044	100.1306474	100.0613553	99.99216766	99.92308412	99.85410446	99.78522846	99.71645589
230425A00029	4/25/2023	4.14	4/24/2026	102.61979	101.9601228	101.3089486	100.6661049	100.0314323	99.40477563	98.78598345	98.17490823	97.57140607
230425A00030	4/25/2023	4.01	4/26/2027	106.98414	105.2855919	103.6224694	101.9937271	100.3983626	98.83541271	97.30395111	95.80308694	94.33196288
230425A00031	4/25/2023	3.69	4/25/2028	110.76947	108.0020038	105.3185918	102.7161473	100.1917161	97.74247311	95.36571558	93.05885698	90.81942101
230425A00032	4/25/2023	3.95	4/25/2028	111.27265	108.5026527	105.816655	103.2115721	100.6844551	98.23248418	95.85296119	93.54330396	91.30104025
230425A00040	4/25/2023	3.89	4/24/2026	102.50212	101.8422937	101.1909755	100.547999	99.91320456	99.28643651	98.66754311	98.05637646	97.45279231
230425A00045	4/25/2023	3.95	4/25/2028	111.27265	108.5026527	105.816655	103.2115721	100.6844551	98.23248418	95.85296119	93.54330396	91.30104025
230425A00047	4/25/2023	4.01	4/26/2027	106.98414	105.2855919	103.6224694	101.9937271	100.3983626	98.83541271	97.30395111	95.80308694	94.33196288
230425A00050	4/25/2023	4.14	4/24/2026	102.61979	101.9601228	101.3089486	100.6661049	100.0314323	99.40477563	98.78598345	98.17490823	97.57140607
230425A00052	4/25/2023	4.01	4/26/2027	106.98414	105.2855919	103.6224694	101.9937271	100.3983626	98.83541271	97.30395111	95.80308694	94.33196288
230425A00053	4/25/2023	4.14	4/24/2026	102.61979	101.9601228	101.3089486	100.6661049	100.0314323	99.40477563	98.78598345	98.17490823	97.57140607
230425A00104	4/25/2023	3.86	7/15/2026	103.37618	102.4848961	101.609013	100.7481297	99.9018625	99.069841	98.25170713	97.44711475	96.65572918
230426A00003	4/26/2023	3.89	5/9/2028	111.27016	108.4608525	105.737706	103.0975182	100.5372281	98.05391062	95.64476878	93.30712765	91.03842779
230426A00004	4/26/2023	3.89	5/9/2028	111.27016	108.4608525	105.737706	103.0975182	100.5372281	98.05391062	95.64476878	93.30712765	91.03842779
230426A00005	4/26/2023	3.91	6/13/2028	111.7224	108.8083619	105.9862528	103.2526192	100.6041561	98.0377045	95.55024355	93.13888347	90.80085899
230426A00006	4/26/2023	3.91	6/13/2028	111.7224	108.8083619	105.9862528	103.2526192	100.6041561	98.0377045	95.55024355	93.13888347	90.80085899
230426A00007	4/26/2023	3.92	7/11/2028	112.0691	109.0707389	106.1692162	103.3608826	100.6422505	98.00998185	95.46088108	92.9918882	90.6000723
230426A00008	4/26/2023	3.92	7/11/2028	112.0691	109.0707389	106.1692162	103.3608826	100.6422505	98.00998185	95.46088108	92.9918882	90.6000723
230426A00009	4/26/2023	3.94	8/8/2028	112.43971	109.3580354	106.3782745	103.4964934	100.7089358	98.01201114	95.40228574	92.87647549	90.43143823
230426A00010	4/26/2023	3.94	8/8/2028	112.43971	109.3580354	106.3782745	103.4964934	100.7089358	98.01201114	95.40228574	92.87647549	90.43143823
230426A00011	4/26/2023	3.96	9/12/2028	112.89691	109.7095712	106.630536	103.6555062	100.7803794	98.00124025	95.31434985	92.71613734	90.20319097
230426A00012	4/26/2023	3.96	9/12/2028	112.89691	109.7095712	106.630536	103.6555062	100.7803794	98.00124025	95.31434985	92.71613734	90.20319097
230426A00013	4/26/2023	3.98	10/10/2028	113.28339	110.0100934	106.8500883	103.7987859	100.8518124	98.00499768	95.25436467	92.59611893	90.02663913
230426A00014	4/26/2023	3.98	10/10/2028	113.28339	110.0100934	106.8500883	103.7987859	100.8518124	98.00499768	95.25436467	92.59611893	90.02663913
230426A00025	4/26/2023	3.62	4/26/2028	110.59183	107.8238976	105.140124	102.5374097	100.0127943	97.56344678	95.18665908	92.87983957	90.64050721
230426A00033	4/26/2023	3.88	4/26/2028	111.09569	108.3252257	105.6388548	103.0334906	100.5061781	98.05409147	95.67452723	93.36489816	91.12272728
230426A00036	4/26/2023	4.06	4/27/2026	102.60013	101.9322047	101.2729858	100.6223012	99.9799859	99.34587904	98.71982388	98.10166766	97.49126145
230426A00037	4/26/2023	3.94	4/26/2027	106.86689	105.1693576	103.5072325	101.8794697	100.2850673	98.72306256	97.19252969	95.69257824	94.2223513
230426A00040	4/26/2023	3.9	4/26/2028	111.14963	108.3784269	105.6913406	103.0852776	100.5572822	98.10452822	95.72431163	93.41404476	91.17125021

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230426A00046	4/26/2023	3.95	4/26/2028	111.28446	108.5114299	105.8225552	103.2147451	100.6850426	98.2306201	95.84877263	93.53691128	91.29255754
230426A00049	4/26/2023	4.13	4/27/2026	102.64657	101.9784712	101.3190815	100.6682277	100.0257448	99.39147177	98.76525199	98.14693263	97.53636474
230426A00062	4/26/2023	4.13	4/27/2026	102.64657	101.9784712	101.3190815	100.6682277	100.0257448	99.39147177	98.76525199	98.14693263	97.53636474
230426A00064	6/15/2023	3.87	6/15/2028	111.63197	108.7134767	105.8872243	103.1497445	100.4977245	97.92799667	95.43753165	93.02343092	90.68292038
230426A00065	6/15/2023	3.87	6/15/2028	111.63197	108.7134767	105.8872243	103.1497445	100.4977245	97.92799667	95.43753165	93.02343092	90.68292038
230426A00142	4/26/2023	4.51	4/27/2026	101.63056	101.2507548	100.8744873	100.5017066	100.1323589	99.76639163	99.40375317	99.04439313	98.68826218
230427A00066	4/27/2023	4.07	4/27/2027	107.09768	105.3953056	103.7284753	102.096137	100.4972838	98.93094787	97.39619892	95.89214207	94.41791626
230427A00077	4/27/2023	4.14	10/27/2026	104.86874	103.6791853	102.5166924	101.3803417	100.2692578	99.18260353	98.11957871	97.07941765	96.06138748
230428A00017	4/28/2023	4.17	4/28/2026	102.68432	102.0133098	101.3510746	100.697445	100.0522541	99.41533905	98.78654131	98.1657063	97.55268337
230428A00018	4/28/2023	3.99	4/28/2028	111.41618	108.6356031	105.9395369	103.3248682	100.7886231	98.32795783	95.94015214	93.62260291	91.37281816
230428A00029	4/28/2023	4.23	4/28/2026	102.72429	102.053132	101.3907492	100.7369735	100.0916377	99.45457908	98.82563909	98.20466313	97.59150051
230428A00050	4/28/2023	4.31	4/28/2028	106.19467	104.7727432	103.3838038	102.0268077	100.700755	99.40468482	98.13767445	96.89883693	95.68731955
230428A00055	4/28/2023	4.61	4/28/2026	101.67143	101.2908066	100.913746	100.5401902	100.170085	99.80337713	99.44001466	99.07994672	98.72312354
230501A00011	5/1/2023	4.09	4/26/2027	107.11814	105.4184311	103.7541688	102.124307	100.527843	98.96381288	97.43128988	95.92938261	94.45723326
230501A00012	5/1/2023	3.98	5/1/2028	111.42441	108.6351957	105.9309533	103.3085498	100.7649871	98.29739888	95.9030438	93.57929881	91.32365325
230502A00038	5/2/2023	3.86	5/2/2028	111.11026	108.3225616	105.6198888	102.9991033	100.457202	97.99131407	95.59869387	93.27671444	91.02286148
230502A00052	5/2/2023	3.96	5/3/2027	106.98851	105.2703534	103.5883178	101.9413291	100.3283555	98.74840581	97.20052738	95.68380439	94.19735591
230502A00055	5/2/2023	4.08	5/4/2026	102.69104	102.0033693	101.3249219	100.6555103	99.9949548	99.34308022	98.6997161	98.06469639	97.43785934
230502A00076	5/2/2023	3.95	5/3/2027	106.97157	105.2535567	103.5716668	101.9248213	100.3119882	98.73217656	97.18443377	95.66784407	94.1815266
230502A00079	5/2/2023	3.6	5/2/2028	110.60327	107.8181515	105.1181181	102.5000248	99.96086313	97.49775703	95.10795609	92.78882892	90.53785711
230502A00081	5/2/2023	3.96	5/3/2027	106.98851	105.2703534	103.5883178	101.9413291	100.3283555	98.74840581	97.20052738	95.68380439	94.19735591
230502A00086	5/2/2023	4.08	5/1/2026	102.65749	101.9782533	101.3080116	100.6465849	99.99380012	99.34948866	98.71348623	98.08563279	97.46577238
230502A00122	5/2/2023	3.7	5/3/2027	106.66974	104.9522554	103.2709217	101.6246609	100.0124395	98.43326487	96.88618291	95.37027645	93.8846633
230503A00004	5/3/2023	3.94	5/3/2027	106.95462	105.2367601	103.5550159	101.9083134	100.2956209	98.71594731	97.16834016	95.65188376	94.16569729
230503A00012	5/3/2023	3.82	5/3/2028	111.01274	108.2236025	105.5196142	102.8976285	100.3546352	97.88775694	95.49424182	93.17145712	90.91688312
230503A00014	5/3/2023	3.94	5/3/2027	106.95462	105.2367601	103.5550159	101.9083134	100.2956209	98.71594731	97.16834016	95.65188376	94.16569729
230503A00020	5/3/2023	3.84	5/3/2028	111.06707	108.2771847	105.5724709	102.9497765	100.4060909	97.93853606	95.54435967	93.22092852	90.96572245
230503A00025	5/3/2023	3.84	5/3/2028	111.06707	108.2771847	105.5724709	102.9497765	100.4060909	97.93853606	95.54435967	93.22092852	90.96572245
230503A00029	5/3/2023	4.08	5/4/2026	102.69104	102.0033693	101.3249219	100.6555103	99.9949548	99.34308022	98.6997161	98.06469639	97.43785934
230503A00030	5/3/2023	3.84	5/3/2028	111.06707	108.2771847	105.5724709	102.9497765	100.4060909	97.93853606	95.54435967	93.22092852	90.96572245
230503A00032	5/3/2023	4.08	5/1/2026	102.65749	101.9782533	101.3080116	100.6465849	99.99380012	99.34948866	98.71348623	98.08563279	97.46577238
230503A00034	5/3/2023	3.84	5/3/2028	111.06707	108.2771847	105.5724709	102.9497765	100.4060909	97.93853606	95.54435967	93.22092852	90.96572245
230503A00072	5/3/2023	3.83	5/4/2026	102.56839	101.8805669	101.2019804	100.5324417	99.87177064	99.21979165	98.57633387	97.94123085	97.31432048

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230504A00006	5/4/2023	3.79	12/6/2027	109.24928	106.9028849	104.6190473	102.3956518	100.2306747	98.12217707	96.06829997	94.06726076	92.11734916
230504A00007	5/4/2023	3.82	7/6/2027	107.52707	105.6257058	103.7675332	101.9513142	100.1758583	98.44001648	96.74267917	95.08277488	93.45926851
230504A00011	5/4/2023	3.7	5/4/2026	102.47959	101.7921129	101.1138614	100.4446545	99.78431217	99.13265885	98.48952371	97.85474036	97.22814673
230504A00019	5/4/2023	3.95	5/4/2026	102.60227	101.9149384	101.2368257	100.5677456	99.90751852	99.25596928	98.61292748	97.97822713	97.35170652
230504A00020	5/4/2023	3.83	5/4/2027	106.78026	105.0611922	103.378312	101.7305425	100.1168483	98.53623523	96.98774757	95.47046671	93.98350905
230504A00021	5/4/2023	3.76	5/4/2028	110.86062	108.0707887	105.3662171	102.7437466	100.2003603	97.73317487	95.33943263	93.01649553	90.76183889
230504A00034	5/4/2023	3.95	5/4/2026	102.60227	101.9149384	101.2368257	100.5677456	99.90751852	99.25596928	98.61292748	97.97822713	97.35170652
230504A00041	5/4/2023	3.95	5/4/2026	102.60227	101.9149384	101.2368257	100.5677456	99.90751852	99.25596928	98.61292748	97.97822713	97.35170652
230504A00042	5/4/2023	3.83	5/4/2027	106.78026	105.0611922	103.378312	101.7305425	100.1168483	98.53623523	96.98774757	95.47046671	93.98350905
230504A00043	5/4/2023	3.76	5/4/2028	110.86062	108.0707887	105.3662171	102.7437466	100.2003603	97.73317487	95.33943263	93.01649553	90.76183889
230504A00049	5/4/2023	3.95	5/4/2026	102.60227	101.9149384	101.2368257	100.5677456	99.90751852	99.25596928	98.61292748	97.97822713	97.35170652
230504A00054	5/4/2023	3.95	5/4/2026	102.60227	101.9149384	101.2368257	100.5677456	99.90751852	99.25596928	98.61292748	97.97822713	97.35170652
230504A00057	5/4/2023	3.86	5/4/2026	102.54081	101.853717	101.175836	100.5069855	99.8469857	99.1956617	98.55284305	97.9183638	97.29206226
230504A00058	5/4/2023	3.69	5/4/2028	110.67028	107.8830606	105.1810332	102.5610477	100.0200894	97.55527656	95.1638532	92.84318296	90.59074273
230504A00059	5/4/2023	4.34	5/4/2026	101.71627	101.3010804	100.8900971	100.4832473	100.0804626	99.68167561	99.28682095	98.89583453	98.50865376
230504A00069	5/4/2023	3.82	5/4/2026	102.5135	101.8265075	101.1487295	100.479981	99.82008223	99.16885833	98.52613886	97.89175787	97.2655537
230504A00084	5/4/2023	3.5	5/4/2028	110.35233	107.5651013	104.8631898	102.243432	99.70280579	97.23842243	94.84751954	92.52745462	90.27569884
230505A00002	5/5/2023	4.01	5/5/2026	102.65423	101.9639306	101.2829288	100.611035	99.94806713	99.29384807	98.64820522	98.01097056	97.3819804
230505A00005	5/5/2023	3.99	5/5/2026	102.64052	101.9502708	101.2693208	100.5974783	99.9345614	99.28039275	98.63479985	97.99761467	97.36867355
230505A00014	5/5/2023	3.59	5/5/2028	110.60787	107.814364	105.1064154	102.480846	99.93462302	97.46484777	95.06874847	92.74367372	90.48708629
230505A00016	5/5/2023	3.85	5/5/2028	111.11643	108.3203306	105.6097216	102.9814386	100.4324546	97.95987597	95.56093584	93.23298726	90.97349715
230505A00022	5/5/2023	3.85	5/5/2028	111.11643	108.3203306	105.6097216	102.9814386	100.4324546	97.95987597	95.56093584	93.23298726	90.97349715
230505A00027	5/5/2023	4.01	5/5/2026	102.65423	101.9639306	101.2829288	100.611035	99.94806713	99.29384807	98.64820522	98.01097056	97.3819804
230505A00035	5/5/2023	3.9	5/5/2027	106.9113	105.188347	103.5017012	101.8502826	100.233051	98.64900742	97.09719201	95.57668196	94.08658978
230505A00071	5/5/2023	3.85	5/5/2028	111.11643	108.3203306	105.6097216	102.9814386	100.4324546	97.95987597	95.56093584	93.23298726	90.97349715
230508A00007	5/8/2023	3.92	5/8/2028	111.34086	108.5333497	105.8118749	103.1732345	100.6143749	98.13237771	95.7244527	93.38793092	91.12025863
230508A00016	5/8/2023	4.14	5/8/2026	102.77741	102.078325	101.3887724	100.7085536	100.0374799	99.37536734	98.72203703	98.0773148	97.44103106
230508A00017	5/8/2023	4.01	5/10/2027	107.16101	105.4221481	103.7201458	102.0538927	100.4223261	98.82442551	97.25921087	95.72574021	94.2231079
230508A00018	5/8/2023	3.92	5/8/2028	111.34086	108.5333497	105.8118749	103.1732345	100.6143749	98.13237771	95.7244527	93.38793092	91.12025863
230509A00010	5/9/2023	4.14	5/8/2026	102.77741	102.078325	101.3887724	100.7085536	100.0374799	99.37536734	98.72203703	98.0773148	97.44103106
230509A00036	5/9/2023	4.02	5/10/2027	107.17815	105.4391365	103.7369852	102.0705859	100.4388757	98.84083406	97.27548083	95.74187399	94.23910784
230509A00060	5/9/2023	3.92	5/9/2028	111.35215	108.5417156	105.8174679	103.1762046	100.6148639	98.13051973	95.72037455	93.38175267	91.11209396
230509A00118	5/9/2023	4.12	5/8/2026	102.76353	102.0644998	101.3750002	100.694834	100.0238123	99.36175121	98.70847193	98.06380026	97.42756661

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230510A00009	5/10/2023	4.07	5/11/2026	102.7623	102.0549581	101.3573782	100.6693543	99.99069069	99.32119704	98.66068801	98.00898331	97.36590743
230510A00014	5/10/2023	4.07	5/11/2026	102.7623	102.0549581	101.3573782	100.6693543	99.99069069	99.32119704	98.66068801	98.00898331	97.36590743
230510A00018	11/10/2023	3.61	11/10/2026	104.41046	103.1844704	101.9873077	100.8179636	99.67547562	98.55892544	97.46743612	96.40016991	95.35632605
230510A00037	5/10/2023	3.84	5/10/2028	111.14458	108.3342285	105.6101497	102.9691369	100.4081223	97.92417421	95.51448973	93.17638833	90.90730532
230510A00057	5/10/2023	3.98	5/11/2026	102.69909	101.9920008	101.2946647	100.6068824	99.92845804	99.25920132	98.59892698	97.94745476	97.30460918
230510A00062	8/10/2023	3.78	8/10/2026	103.52705	102.5635846	101.618079	100.690034	99.77896851	98.88441916	98.00593918	97.14309786	96.29547975
230511A00023	5/11/2023	3.95	5/19/2026	102.7646	102.0350698	101.3159171	100.6069209	99.90786691	99.21854666	98.53875752	97.86830248	97.20698991
230511A00032	5/11/2023	3.7	5/11/2026	102.55185	101.8446876	101.1472969	100.4594717	99.78101576	99.11173835	98.45145378	97.79998137	97.15714525
230511A00036	5/11/2023	3.79	5/19/2027	106.89128	105.1301486	103.4067493	101.7199351	100.0686049	98.4517023	96.86821314	95.31716337	93.79761702
230511A00038	5/11/2023	3.95	5/11/2026	102.67802	101.971015	101.2737603	100.5860584	99.90771382	99.23853608	98.57833997	97.92694524	97.28417643
230511A00039	5/11/2023	3.86	11/27/2026	104.92132	103.6442093	102.3982499	101.1823092	99.99531086	98.83622946	97.70408756	96.59795289	95.51693581
230511A00042	5/11/2023	3.72	5/11/2028	110.82703	108.0182704	105.2958458	102.6565343	100.097263	97.61509562	95.20722515	92.87096706	90.60375305
230511A00043	5/11/2023	3.72	5/16/2028	110.88072	108.0573685	105.3211434	102.6687829	100.097173	97.60333854	95.1844361	92.83774704	90.560671
230511A00044	5/11/2023	3.79	5/11/2027	106.79585	105.0574878	103.3560218	101.6903447	100.0593909	98.46213752	96.89760198	95.36484009	93.86294414
230511A00046	5/11/2023	3.95	5/11/2026	102.67802	101.971015	101.2737603	100.5860584	99.90771382	99.23853608	98.57833997	97.92694524	97.28417643
230511A00050	5/11/2023	3.98	5/11/2026	102.69909	101.9920008	101.2946647	100.6068824	99.92845804	99.25920132	98.59892698	97.94745476	97.30460918
230511A00069	5/11/2023	3.98	5/12/2026	102.71	102.0000922	101.3000195	100.6095755	99.92856213	99.25678677	98.59406205	97.94020563	97.29504003
230511A00080	5/11/2023	3.49	5/11/2028	110.39725	107.5900094	104.8691885	102.2315597	99.67404367	97.19369793	94.78770984	92.45338966	90.18816417
230512A00008	5/12/2023	3.75	5/12/2026	102.59743	101.8873199	101.187057	100.496436	99.81525828	99.14333081	98.48046576	97.82648034	97.18119669
230512A00010	5/12/2023	3.75	5/12/2026	102.59743	101.8873199	101.187057	100.496436	99.81525828	99.14333081	98.48046576	97.82648034	97.18119669
230512A00011	5/12/2023	3.78	5/12/2028	111.00225	108.1883068	105.4609074	102.8168228	100.2529702	97.7664041	95.35430864	93.01399107	90.7428753
230512A00026	5/12/2023	4	5/12/2026	102.7241	102.0141378	101.3140106	100.6235125	99.94244553	99.27061713	98.60783988	97.95393142	97.30871428
230512A00033	5/12/2023	3.75	5/12/2026	102.59743	101.8873199	101.187057	100.496436	99.81525828	99.14333081	98.48046576	97.82648034	97.18119669
230512A00037	5/12/2023	3.86	5/12/2027	106.92815	105.1858733	103.4806181	101.8112698	100.1767579	98.57605469	97.00817333	95.47216542	93.96711928
230512A00042	5/12/2023	4	5/12/2026	102.7241	102.0141378	101.3140106	100.6235125	99.94244553	99.27061713	98.60783988	97.95393142	97.30871428
230515A00011	5/15/2023	4.11	5/15/2026	102.83545	102.1167339	101.4080864	100.7092969	100.0201603	99.34047712	98.6700535	98.00870078	97.3562354
230515A00045	5/15/2023	4.08	5/15/2026	102.81405	102.0954175	101.3868538	100.6881472	99.99909268	99.31949081	98.6491477	97.98787472	97.33548834
230515A00074	5/15/2023	4.11	5/15/2026	102.83545	102.1167339	101.4080864	100.7092969	100.0201603	99.34047712	98.6700535	98.00870078	97.3562354
230515A00078	5/15/2023	3.96	5/17/2027	107.16212	105.404046	103.6835452	101.9994764	100.3507463	98.73630548	97.15514669	95.60630216	94.0888419
230515A00080	5/15/2023	3.88	5/15/2028	111.30995	108.4834314	105.7440244	103.0884704	100.5136591	98.01661894	95.59450978	93.24461594	90.96433973
230516A00013	5/16/2023	4.11	5/15/2026	102.83545	102.1167339	101.4080864	100.7092969	100.0201603	99.34047712	98.6700535	98.00870078	97.3562354
230516A00035	5/16/2023	4.11	5/15/2026	102.83545	102.1167339	101.4080864	100.7092969	100.0201603	99.34047712	98.6700535	98.00870078	97.3562354
230516A00036	5/16/2023	4	5/17/2027	107.23146	105.4727663	103.7516567	102.0669902	100.417673	98.80265568	97.2209305	95.67152947	94.15352234

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230516A00037	5/16/2023	3.91	5/16/2028	111.40371	108.5731198	105.8298239	103.1705581	100.592203	98.09177838	95.6664361	93.31345286	91.03022382
230516A00069	5/16/2023	4.1	5/15/2026	102.82832	102.1096284	101.4010089	100.702247	100.0131378	99.33348168	98.6630849	98.00175876	97.34931971
230517A00014	5/17/2023	4.14	5/18/2026	102.8909	102.163638	101.4466818	100.7398115	100.042815	99.35548612	98.67762437	98.00903475	97.34952761
230517A00048	5/17/2023	4.17	5/15/2026	102.87825	102.1593665	101.4505516	100.7515963	100.0622955	99.38244975	98.7118651	98.05035288	97.39772953
230518A00017	5/18/2023	4.28	5/18/2026	102.99193	102.2642709	101.5469152	100.8396495	100.1422615	99.45454493	98.77629925	98.10732942	97.4474457
230518A00019	5/18/2023	3.81	5/18/2028	111.35287	108.5129625	105.7608741	103.0933127	100.507132	97.9993265	95.56702434	93.20747988	90.91806728
230519A00012	5/19/2023	4.53	12/19/2025	101.30641	100.9999528	100.6953593	100.3926163	100.0917068	99.79261419	99.49532184	99.19981348	98.90607296
230519A00027	5/19/2023	4.39	5/19/2026	103.08336	102.3525561	101.6321389	100.9218909	100.2215974	99.53104985	98.85004539	98.17838681	97.51588231
230519A00029	5/19/2023	4.39	5/19/2026	103.08336	102.3525561	101.6321389	100.9218909	100.2215974	99.53104985	98.85004539	98.17838681	97.51588231
230519A00030	5/19/2023	4.27	5/19/2027	107.72604	105.9574204	104.2266703	102.5326386	100.8742209	99.25035698	97.66002936	96.10226065	94.57611169
230519A00038	5/19/2023	3.92	5/19/2028	111.66808	108.8210049	106.0620103	103.3877913	100.7951903	98.28119105	95.84291136	93.47759602	91.18261006
230519A00041	5/19/2023	3.92	5/19/2028	111.66808	108.8210049	106.0620103	103.3877913	100.7951903	98.28119105	95.84291136	93.47759602	91.18261006
230522A00026	5/22/2023	4.35	5/22/2026	103.09018	102.3510093	101.6224639	100.9043158	100.1963432	99.49833059	98.81006846	98.13135323	97.4619869
230522A00043	5/22/2023	4.17	5/16/2028	112.11939	109.2788847	106.5259131	103.8571979	101.2696124	98.76016973	96.32601504	93.96441871	91.67276979
230522A00046	5/22/2023	4.17	5/22/2028	112.19137	109.3331316	106.5633897	103.8788173	101.2762376	98.7526165	96.30505496	93.93078187	91.6271473
230522A00093	5/22/2023	4.17	5/22/2028	112.19137	109.3331316	106.5633897	103.8788173	101.2762376	98.7526165	96.30505496	93.93078187	91.6271473
230523A00008	5/23/2023	4.44	5/26/2026	103.20486	102.4540963	101.7142821	100.9851757	100.2665457	99.55816713	98.85982149	98.17129645	97.49238562
230523A00024	5/23/2023	4.06	5/24/2027	107.55074	105.7677083	104.0231205	102.315798	100.6446116	99.0084777	97.40635686	95.83725086	94.30020088
230523A00048	5/23/2023	4.44	5/26/2026	103.20486	102.4540963	101.7142821	100.9851757	100.2665457	99.55816713	98.85982149	98.17129645	97.49238562
230523A00049	5/23/2023	4.31	5/24/2027	107.8625	106.0788832	104.3336744	102.6257004	100.9538338	99.31699292	97.71413992	96.14427814	94.6064502
230523A00083	5/23/2023	4.21	5/23/2028	112.31425	109.4515118	106.6774643	103.9887744	101.3822559	98.85486572	96.40369631	94.02596863	91.71902527
230523A00085	5/23/2023	4.39	5/23/2029	117.43606	113.4442136	109.6127478	105.9342608	102.4017436	99.00855311	95.74839062	92.6152814	89.60355596
230523A00086	5/23/2023	4.42	5/23/2030	122.00299	116.8557507	111.961614	107.3066784	102.8778869	98.66297112	94.65039906	90.82932617	87.18955034
230523A00088	5/23/2023	4.59	5/23/2033	133.5234	124.8447745	116.817705	109.3893022	102.5112508	96.13939402	90.23335383	84.75618799	79.6740802
230523A00089	5/23/2023	4.65	5/23/2034	137.03514	127.1685315	118.1242317	109.8284567	102.2144448	95.22174822	88.79560383	82.88636989	77.44902123
230523A00090	5/23/2023	4.71	5/23/2035	140.49193	129.433048	119.3851865	110.2491285	101.935934	94.36582348	87.46718881	81.17571485	75.43360038
230523A00091	5/23/2023	4.77	5/23/2036	143.82795	131.5775216	120.5438945	110.5975722	101.6235597	93.51966386	86.19500442	79.56870456	73.56873989
230524A00009	5/24/2023	3.9	5/24/2028	111.67008	108.8090248	106.03684	103.3501763	100.7458344	98.2207591	95.77203183	93.39686304	91.0925856
230524A00028	5/24/2023	4.36	5/26/2026	103.14535	102.3948298	101.6552575	100.9263907	100.2079978	99.49985388	98.80174058	98.11344555	97.43476246
230524A00038	5/24/2023	4.36	5/26/2026	103.14535	102.3948298	101.6552575	100.9263907	100.2079978	99.49985388	98.80174058	98.11344555	97.43476246
230525A00094	5/25/2023	4.31	5/25/2028	112.61625	109.7437025	106.960267	104.2625846	101.647449	99.11179867	96.65270869	94.26738352	91.95315024
230526A00013	5/26/2023	4.39	5/26/2026	103.2201	102.4685869	101.72804	100.9982209	100.2788974	99.56984394	98.87084149	98.18167709	97.50214382
230526A00016	5/26/2023	4.46	5/26/2027	108.15305	106.3612877	104.6081895	102.892572	101.2132977	99.56927509	97.95945718	96.3828386	94.83845374

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230526A00033	5/26/2023	4.63	5/27/2031	127.10768	120.7502551	114.7616556	109.1183402	103.7984056	98.78145973	94.04850894	89.58185418	85.36499558
230526A00034	5/26/2023	4.66	5/26/2032	130.79546	123.2620015	116.2304531	109.6644047	103.5302814	97.79711256	92.43631485	87.42149599	82.72827498
230530A00027	5/30/2023	4.22	5/30/2028	112.42694	109.5430615	106.7490247	104.0414287	101.4170277	98.87272264	96.40555357	94.01269222	91.69143495
230530A00045	5/30/2023	4.56	5/29/2026	103.6998	102.8579743	102.0298997	101.2152434	100.4136803	99.62489606	98.84858615	98.08445571	97.3322191
230530A00048	5/30/2023	4.45	5/29/2026	103.24892	102.489633	101.74153	101.0043678	100.2779074	99.56191692	98.8561709	98.16045043	97.4745428
230530A00054	5/30/2023	4.56	5/29/2026	103.6998	102.8579743	102.0298997	101.2152434	100.4136803	99.62489606	98.84858615	98.08445571	97.3322191
230530A00055	5/30/2023	4.56	5/29/2026	103.6998	102.8579743	102.0298997	101.2152434	100.4136803	99.62489606	98.84858615	98.08445571	97.3322191
230530A00118	5/30/2023	4.4	5/28/2027	108.0748	106.2782277	104.5205161	102.8004721	101.1169494	99.46884844	97.85511454	96.27473508	94.72673759
230530A00171	5/30/2023	4.43	5/29/2026	103.23388	102.4746513	101.7266101	100.9895091	100.2631093	99.54717871	98.84149202	98.1458303	97.45998082
230531A00037	5/31/2023	4.41	5/29/2026	103.21883	102.4596695	101.7116902	100.9746503	100.2483111	99.53244049	98.82681314	98.13121016	97.44541884
230531A00038	5/31/2023	4.01	5/28/2027	107.51404	105.7203123	103.9654428	102.2482313	100.5675308	98.92224109	97.31130666	95.73371439	94.18849131
230531A00042	5/31/2023	4.01	5/28/2027	107.51404	105.7203123	103.9654428	102.2482313	100.5675308	98.92224109	97.31130666	95.73371439	94.18849131
230531A00060	5/31/2023	4.44	2/27/2026	102.14259	101.6397904	101.1419406	100.6489688	100.1608036	99.67737489	99.198614	98.72445356	98.25482747
230531A00061	5/31/2023	4.42	4/1/2026	102.52918	101.9335921	101.3449275	100.7630667	100.1878921	99.61928891	99.05714498	98.50135063	97.95179868
230531A00062	5/31/2023	4.39	4/30/2026	102.85454	102.177336	101.5090537	100.8495203	100.1985649	99.55602087	98.92172588	98.29552178	97.6772544
230531A00063	5/31/2023	4.37	5/29/2026	103.18875	102.429706	101.6818503	100.9449329	100.2187148	99.50296405	98.79745539	98.10196989	97.41629487
230531A00090	5/31/2023	4.41	6/1/2026	103.25533	102.4876695	101.7314436	100.9863951	100.2522773	99.52885077	98.81588303	98.11314827	97.42042718
230531A00091	5/31/2023	4.26	6/1/2027	107.88106	106.0751345	104.3084689	102.5798505	100.8881201	99.2321663	97.61092247	96.02336477	94.46850988
230531A00099	5/31/2023	4.41	5/29/2026	103.21883	102.4596695	101.7116902	100.9746503	100.2483111	99.53244049	98.82681314	98.13121016	97.44541884
230601A00025	6/1/2023	4.12	6/1/2028	112.17172	109.2857617	106.4898836	103.7806756	101.1548817	98.60939303	96.14124019	93.74758568	91.42571693
230602A00012	6/2/2023	4.39	6/2/2026	103.25236	102.4819379	101.7230346	100.9753903	100.2387554	99.51288784	98.79755265	98.09252155	97.39757286
230602A00020	6/2/2023	3.94	6/2/2028	111.88579	108.9964053	106.1974117	103.4853824	100.8570485	98.30928871	95.83912163	93.4436981	91.12029436
230602A00027	6/2/2023	4.2	6/2/2026	103.1611	102.3903527	101.6311372	100.8831969	100.1462817	99.42014881	98.70456276	97.99929474	97.30412256
230602A00030	6/2/2023	4.2	6/2/2026	103.1611	102.3903527	101.6311372	100.8831969	100.1462817	99.42014881	98.70456276	97.99929474	97.30412256
230602A00051	6/2/2023	4.33	6/2/2038	125.94321	118.7564678	112.1609215	106.0994289	100.5209618	95.37989892	90.6354074	86.25090062	82.19356055
230605A00022	6/5/2023	4.39	6/4/2027	108.15346	106.3365234	104.5592225	102.8203477	101.1187386	99.45328157	97.82290749	96.22658929	94.66333996
230606A00008	6/6/2023	3.98	6/6/2028	112.04561	109.1424595	106.3304255	103.6060593	100.9660725	98.40732402	95.92681234	93.52166813	91.18914735
230606A00014	6/6/2023	4.35	6/7/2027	108.12339	106.2982103	104.5129913	102.7665288	101.0576626	99.38527808	97.74830479	96.14571358	94.57651483
230606A00015	6/6/2023	4.24	6/6/2028	112.56956	109.6636224	106.8487311	104.1214517	101.4785017	98.91674575	96.43318764	94.02496283	91.68933182
230606A00029	6/6/2023	4.45	6/5/2026	103.33538	102.5562819	101.7889601	101.0331466	100.2885836	99.55502105	98.83221606	98.11993294	97.41794282
230607A00007	6/7/2023	4.24	6/7/2028	112.582	109.6730015	106.855228	104.1252333	101.4797305	98.9155796	96.42977942	94.0194607	91.68187907
230607A00020	6/7/2023	4.28	6/7/2028	112.57314	109.6844825	106.8877499	104.179511	101.5564807	99.01551441	96.55360092	94.16785606	91.85551663
230607A00038	6/7/2023	4.58	6/5/2026	103.43569	102.6561689	101.8884255	101.1321951	100.3872196	99.65324873	98.9300397	98.2173567	97.5149708

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230608A00003	6/8/2023	4.23	6/8/2028	112.56626	109.6546098	106.8343429	104.1020127	101.4543281	98.88814446	96.40045632	93.98838975	91.64919579
230608A00049	6/8/2023	4.47	6/8/2026	103.3882	102.6005471	101.8249272	101.0610653	100.3086951	99.5675582	98.83740402	98.11798932	97.40907803
230609A00026	6/9/2023	4.11	6/9/2027	107.8494	106.0187506	104.2283334	102.4769367	100.763398	99.0866	97.44546921	95.83897314	94.26611859
230609A00027	6/9/2023	3.99	6/9/2028	112.10961	109.1969182	106.3758657	103.6429922	100.9949951	98.42871885	95.94114737	93.52939648	91.19070729
230609A00034	6/9/2023	3.99	6/9/2028	112.10961	109.1969182	106.3758657	103.6429922	100.9949951	98.42871885	95.94114737	93.52939648	91.19070729
230609A00039	6/9/2023	4.73	12/10/2025	101.25032	100.9689254	100.6891089	100.4108555	100.134152	99.85898534	99.58534274	99.31321143	99.04257882
230609A00040	6/9/2023	4.38	5/12/2027	107.82233	106.0721166	104.3590695	102.6820701	101.0400442	99.43196031	97.85682795	96.31369522	94.80164712
230609A00041	6/9/2023	4.53	7/13/2026	103.87964	102.9923749	102.1203211	101.2630849	100.4202903	99.59157389	98.77658443	97.97498221	97.18643871
230609A00042	6/9/2023	4.46	11/25/2026	105.64803	104.3717426	103.1264158	101.9109317	100.7242255	99.56528207	98.43313397	97.32685806	96.24557326
230609A00043	6/9/2023	4.32	9/29/2027	109.58476	107.4254557	105.3200976	103.2669716	101.2644317	99.31089646	97.40484586	95.54481837	93.72940826
230609A00076	7/10/2023	4.19	7/10/2028	112.84271	109.8358445	106.9259166	104.1092811	101.3824508	98.74208793	96.18499717	93.70811849	91.30852084
230612A00023	6/12/2023	4.32	6/12/2026	103.3752	102.5757476	101.7886885	101.0137402	100.2506243	99.49907065	98.75881758	98.0296111	97.31120481
230613A00015	6/13/2023	4.73	6/13/2033	119.00921	114.6628696	110.5509268	106.6582351	102.9707533	99.47545574	96.16025234	93.01391428	90.02600661
230613A00019	6/13/2023	4.49	6/15/2026	103.49143	102.6838728	101.8889574	101.106387	100.3358752	99.57714408	98.82992462	98.09395572	97.3689842
230613A00021	6/13/2023	4.35	6/14/2027	108.21973	106.3737508	104.5685373	102.8028847	101.0756314	99.38566024	97.73189609	96.11330395	94.52888707
230613A00034	6/13/2023	4.56	6/12/2026	103.50925	102.7099563	101.9230471	101.1482334	100.3852371	99.63378898	98.89362777	98.16450007	97.44616001
230613A00061	6/13/2023	4.56	6/15/2026	103.54739	102.739585	101.9444272	101.1616172	100.3908682	99.63190259	98.8844511	98.14825264	97.42305398
230613A00091	6/13/2023	4.58	6/15/2026	103.56337	102.7555027	101.9602758	101.1773972	100.4065805	99.64754788	98.9000301	98.16376605	97.43850249
230614A00001	6/14/2023	4.55	6/12/2026	103.50134	102.70208	101.9152048	101.1404246	100.3774615	99.62604626	98.88591756	98.15682203	97.43851381
230614A00029	6/14/2023	4.55	6/15/2026	103.53939	102.7316261	101.936503	101.1537272	100.3830121	99.62407995	98.87666161	98.14049594	97.41532972
230614A00038	6/14/2023	4.3	6/15/2026	103.39596	102.5880616	101.7928248	101.0099507	100.2391519	99.48015018	98.73267572	97.99646685	97.27126981
230614A00048	6/14/2023	4.55	6/15/2026	103.53939	102.7316261	101.936503	101.1537272	100.3830121	99.62407995	98.87666161	98.14049594	97.41532972
230615A00023	6/15/2023	4.58	6/15/2026	103.56337	102.7555027	101.9602758	101.1773972	100.4065805	99.64754788	98.9000301	98.16376605	97.43850249
230615A00026	6/15/2023	4.84	6/15/2038	149.43732	134.8072	121.8624155	110.3954313	100.2254589	91.19488003	83.16616128	76.01919445	69.64900088
230615A00033	6/15/2023	4.58	6/15/2026	103.56337	102.7555027	101.9602758	101.1773972	100.4065805	99.64754788	98.9000301	98.16376605	97.43850249
230615A00039	6/15/2023	4.16	6/15/2027	108.02002	106.1707085	104.3623337	102.5936864	100.8636026	99.17096199	97.51468668	95.89373865	94.30711809
230615A00044	6/15/2023	4.33	6/15/2026	103.41995	102.6119454	101.8166047	101.0336277	100.2627272	99.50362489	98.75605088	98.01974353	97.29444904
230616A00012	6/16/2023	4.41	6/16/2026	103.49642	102.6852946	101.8869247	101.1010061	100.3272486	99.56537093	98.81510056	98.07617316	97.34833242
230616A00037	6/16/2023	4.48	6/16/2027	108.48349	106.62935	104.8162523	103.0429868	101.3083905	99.61134406	97.95077003	96.32563059	94.7349259
230616A00038	6/16/2023	4.32	6/16/2028	112.92104	109.9812943	107.1344005	104.3768716	101.7053765	99.11672961	96.60788412	94.17592454	91.81806022
230616A00040	6/16/2023	4.66	6/16/2026	103.64032	102.8293239	102.0310673	101.2452466	100.4715722	99.70976345	98.95954848	98.22066349	97.49285273
230616A00106	6/16/2023	4.61	6/16/2026	103.60021	102.7893919	101.9913096	101.2056612	100.4321572	99.67051709	98.92046892	98.18174896	97.45410148
230620A00035	6/20/2023	4.36	6/20/2030	122.03134	116.8016561	111.8328095	107.1103638	102.6207586	98.3512517	94.289865	90.425335	86.74706614

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230620A00065	6/20/2023	4.56	6/18/2026	103.58552	102.7692081	101.9657978	101.1749888	100.3964857	99.6300024	98.87526158	98.13199437	97.39994009
230620A00091	6/20/2023	4.56	6/22/2026	103.63638	102.8086973	101.9942771	101.1927985	100.4039545	99.62744735	98.86298891	98.11029983	97.36910939
230621A00016	6/21/2023	4.55	6/22/2026	103.62819	102.8005458	101.9861618	101.1847191	100.3959105	99.61943845	98.85501469	98.10235991	97.36120339
230621A00022	6/21/2023	4.24	6/21/2028	112.75607	109.8042601	106.9460916	104.1780575	101.4968053	98.89912742	96.38195448	93.94234817	91.57749489
230621A00041	6/21/2023	4.24	6/21/2028	112.75607	109.8042601	106.9460916	104.1780575	101.4968053	98.89912742	96.38195448	93.94234817	91.57749489
230621A00047	6/21/2023	4.44	6/21/2028	106.8848	105.3694554	103.8907172	102.4473956	101.0383487	99.6624811	98.31874114	97.0061191	95.72364501
230621A00048	6/21/2023	4.55	6/22/2026	103.62819	102.8005458	101.9861618	101.1847191	100.3959105	99.61943845	98.85501469	98.10235991	97.36120339
230622A00004	6/22/2023	4.23	6/22/2027	108.24263	106.371269	104.5416856	102.7526666	101.0030454	99.2916978	97.61753996	95.97952682	94.37665026
230622A00005	6/22/2023	4.05	6/22/2028	112.43656	109.4817183	106.6208248	103.8503601	101.1669582	98.56739895	96.04860055	93.60761275	91.24161039
230622A00019	6/22/2023	4.33	6/22/2028	112.55556	109.697812	106.9315195	104.2532321	101.6596513	99.1476211	96.71412124	94.35626028	92.07126948
230622A00027	6/22/2023	4.49	6/22/2026	103.57906	102.7516369	101.9374704	101.1362428	100.3476469	99.57138511	98.80716936	98.05472034	97.31376737
230622A00028	6/22/2023	4.35	6/22/2027	108.32986	106.4600675	104.6319727	102.8443679	101.0960897	99.38601666	97.71306801	96.07620129	94.47441092
230622A00030	6/22/2023	4.17	6/22/2028	112.56858	109.6165766	106.7583177	103.9902957	101.3091554	98.71168623	96.19481593	93.75560305	91.39123076
230622A00039	6/26/2023	4.49	6/26/2026	103.62913	102.7903462	101.9651693	101.1532741	100.3543412	99.56806166	98.79413629	98.03227517	97.28219745
230622A00047	6/22/2023	4.49	6/22/2026	103.57906	102.7516369	101.9374704	101.1362428	100.3476469	99.57138511	98.80716936	98.05472034	97.31376737
230622A00049	6/22/2023	4.71	12/17/2025	101.33545	101.0344886	100.7353253	100.4379478	100.1423401	99.84848643	99.55637097	99.26597825	98.97729298
230622A00056	6/26/2023	4.49	6/26/2026	103.62913	102.7903462	101.9651693	101.1532741	100.3543412	99.56806166	98.79413629	98.03227517	97.28219745
230622A00083	6/22/2023	4.55	6/22/2026	103.62819	102.8005458	101.9861618	101.1847191	100.3959105	99.61943845	98.85501469	98.10235991	97.36120339
230622A00093	6/22/2023	4.55	6/22/2026	103.62819	102.8005458	101.9861618	101.1847191	100.3959105	99.61943845	98.85501469	98.10235991	97.36120339
230622A00095	6/22/2023	4.38	6/22/2027	108.38488	106.5145644	104.6859606	102.8978562	101.1490876	99.4385331	97.76511166	96.12778059	94.5255341
230622A00096	6/22/2023	4.21	6/22/2028	112.68282	109.7291798	106.869322	104.0997394	101.4170755	98.81811883	96.29979573	93.85916373	91.49340498
230623A00002	6/23/2023	4.45	6/23/2026	103.55871	102.7285992	101.9118267	101.1080769	100.3170397	99.53841459	98.77191084	98.0172465	97.27414838
230623A00003	6/23/2023	4.29	6/23/2027	108.23343	106.3616977	104.5317616	102.7424135	100.9924899	99.28086978	97.6064718	95.96825306	94.36520729
230623A00004	6/23/2023	4.13	6/23/2028	112.46647	109.5130461	106.6535057	103.8843332	101.2021698	98.60380138	96.08615165	93.64627524	91.28135135
230623A00025	6/23/2023	4.45	6/23/2026	103.55871	102.7285992	101.9118267	101.1080769	100.3170397	99.53841459	98.77191084	98.0172465	97.27414838
230623A00026	6/23/2023	4.29	6/23/2027	108.23343	106.3616977	104.5317616	102.7424135	100.9924899	99.28086978	97.6064718	95.96825306	94.36520729
230623A00027	6/23/2023	4.13	6/23/2028	112.46647	109.5130461	106.6535057	103.8843332	101.2021698	98.60380138	96.08615165	93.64627524	91.28135135
230623A00036	6/23/2023	4.45	6/23/2026	103.55871	102.7285992	101.9118267	101.1080769	100.3170397	99.53841459	98.77191084	98.0172465	97.27414838
230623A00037	6/23/2023	4.13	6/23/2028	112.46647	109.5130461	106.6535057	103.8843332	101.2021698	98.60380138	96.08615165	93.64627524	91.28135135
230623A00051	6/23/2023	4.18	6/23/2028	112.60941	109.653936	106.7923931	104.0212662	101.3371948	98.73696346	96.21749437	93.77584083	91.40918071
230623A00053	6/23/2023	4.4	6/23/2026	103.57569	102.7447102	101.9271012	101.1225389	100.3307125	99.55132079	98.78407213	98.02868389	97.28488217
230623A00056	6/23/2023	4.18	6/23/2028	112.60941	109.653936	106.7923931	104.0212662	101.3371948	98.73696346	96.21749437	93.77584083	91.40918071
230623A00057	6/23/2023	4.52	6/23/2026	103.61623	102.7858521	101.9688242	101.1648219	100.3735349	99.59466288	98.82791487	98.07300894	97.32967185

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230623A00058	6/23/2023	4.38	6/23/2027	108.39873	106.525435	104.6939672	102.9031158	101.1517167	99.4386479	97.7628274	96.12321157	94.51879348
230626A00020	6/26/2023	4.49	6/26/2026	103.62913	102.7903462	101.9651693	101.1532741	100.3543412	99.56806166	98.79413629	98.03227517	97.28219745
230626A00021	6/26/2023	4.49	6/26/2026	103.62913	102.7903462	101.9651693	101.1532741	100.3543412	99.56806166	98.79413629	98.03227517	97.28219745
230626A00022	6/26/2023	4.34	6/25/2027	108.35274	106.4741842	104.6376718	102.8419974	101.0859966	99.36854653	97.68856407	96.04500388	94.43685695
230626A00023	6/26/2023	4.18	6/26/2028	112.64621	109.6815593	106.811361	104.0320882	101.3403659	98.73296374	96.20678885	93.75887929	91.38639767
230627A00004	6/27/2023	4.47	6/29/2026	103.64993	102.8026839	101.9693205	101.1494965	100.3428835	99.54916395	98.76803009	97.99918405	97.24233727
230627A00005	6/27/2023	4.3	6/28/2027	108.31994	106.4331448	104.5887315	102.7854959	101.0222729	99.29793825	97.61140666	95.96163003	94.3475961
230627A00006	6/27/2023	4.12	6/27/2028	112.48628	109.5210461	106.6503832	103.8707579	101.1787919	98.57125173	96.04504125	93.59719505	91.22487223
230627A00030	6/27/2023	4.17	6/27/2028	112.62978	109.6624795	106.7897988	104.0082041	101.3143158	98.70489878	96.1768555	93.72721916	91.35314752
230627A00035	6/27/2023	4.21	6/27/2028	112.74458	109.7756262	106.9013312	104.118161	101.4227349	98.81181641	96.2823069	93.83123844	91.45576775
230627A00036	6/27/2023	4.38	6/28/2027	108.46799	106.5797837	104.7339886	102.9293969	101.1648429	99.4392016	97.75138701	96.10035042	94.48507894
230627A00037	6/27/2023	4.56	6/26/2026	103.68723	102.8481767	102.0227394	101.2105866	100.4113991	99.62486779	98.85069343	98.08858607	97.33826479
230627A00089	6/27/2023	4.56	6/30/2026	103.73808	102.8876465	102.0511848	101.2283529	100.4188195	99.62226377	98.8383752	98.06685314	97.30740636
230627A00090	6/27/2023	4.21	6/27/2028	112.74458	109.7756262	106.9013312	104.118161	101.4227349	98.81181641	96.2823069	93.83123844	91.45576775
230628A00016	6/28/2023	4.58	6/26/2026	103.70383	102.8646997	102.039188	101.2269616	100.4277013	99.64109812	98.86685262	98.1046749	97.35428404
230628A00017	6/28/2023	4.41	6/28/2027	108.52351	106.6347733	104.7884601	102.9833598	101.2183066	99.49217535	97.80387964	96.15237057	94.53663501
230628A00018	6/28/2023	4.23	6/28/2028	112.81439	109.8415418	106.9635494	104.1768718	101.4781225	98.86405969	96.33157889	93.87770657	91.49959376
230628A00028	6/28/2023	4.58	6/24/2026	103.67829	102.8448512	102.0248499	101.2179622	100.4238749	99.64228471	98.87289786	98.11542973	97.36960449
230628A00038	6/28/2023	4.58	6/24/2026	103.67829	102.8448512	102.0248499	101.2179622	100.4238749	99.64228471	98.87289786	98.11542973	97.36960449
230628A00045	6/28/2023	4.18	6/28/2028	112.67075	109.6999726	106.8240019	104.0392973	101.342474	98.73029148	96.19964686	93.74756794	91.37120711
230628A00061	6/28/2023	4.47	6/26/2026	103.61254	102.7738232	101.9487208	101.136899	100.3380389	99.55183134	98.7779771	98.01618634	97.26617821
230628A00063	6/28/2023	4.47	6/29/2026	103.64993	102.8026839	101.9693205	101.1494965	100.3428835	99.54916395	98.76803009	97.99918405	97.24233727
230628A00068	6/28/2023	4.29	6/28/2027	108.30144	106.4148149	104.5705744	102.7675082	101.0044516	99.28028033	97.59390911	95.94428998	94.33041074
230629A00008	6/29/2023	4.34	6/29/2028	113.14311	110.1626347	107.2772954	104.4835489	101.7780003	99.1573995	96.61863369	94.15872113	91.77480478
230629A00019	6/29/2023	4.51	6/24/2027	108.65171	106.7731704	104.9366192	103.1408427	101.3846753	99.66699348	97.98671324	96.342789	94.73421165
230629A00025	6/29/2023	4.7	6/24/2026	103.77721	102.9433291	102.1228871	101.3155636	100.5210455	99.73902919	98.96922094	98.21133601	97.46509849
230629A00037	6/29/2023	4.69	6/29/2026	103.83434	102.986252	102.1520538	101.3314045	100.5239756	99.72944934	98.94751782	98.177883	97.42025614
230629A00042	6/29/2023	4.69	6/29/2026	103.83434	102.986252	102.1520538	101.3314045	100.5239756	99.72944934	98.94751782	98.177883	97.42025614
230629A00045	6/29/2023	4.69	6/29/2026	103.83434	102.986252	102.1520538	101.3314045	100.5239756	99.72944934	98.94751782	98.177883	97.42025614
230629A00046	6/29/2023	4.51	6/29/2027	108.72278	106.8292968	104.9783825	103.1688316	101.3994767	99.66919122	97.97688711	96.32151361	94.70205558
230629A00071	6/29/2023	4.41	6/29/2028	113.34403	110.3550739	107.4632497	104.6648616	101.9563725	99.33439938	96.79570574	94.3371943	91.95590026
230629A00072	6/29/2023	4.69	6/29/2026	103.83434	102.986252	102.1520538	101.3314045	100.5239756	99.72944934	98.94751782	98.177883	97.42025614
230629A00076	6/29/2023	4.51	6/29/2027	108.72278	106.8292968	104.9783825	103.1688316	101.3994767	99.66919122	97.97688711	96.32151361	94.70205558

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230629A00094	6/29/2023	4.41	6/29/2028	113.34403	110.3550739	107.4632497	104.6648616	101.9563725	99.33439938	96.79570574	94.3371943	91.95590026
230629A00097	6/29/2023	4.41	6/29/2028	113.34403	110.3550739	107.4632497	104.6648616	101.9563725	99.33439938	96.79570574	94.3371943	91.95590026
230630A00003	6/30/2023	4.54	6/30/2027	108.79269	106.895675	105.0413653	103.2285469	101.4560518	99.72275251	98.0275599	96.36942188	94.74732184
230630A00028	6/30/2023	4.42	6/30/2027	108.70473	106.806122	104.9502954	103.1360365	101.3621744	99.62757842	97.93115655	96.27185394	94.64865138
230630A00030	6/30/2023	4.23	6/30/2028	113.05221	110.0653512	107.1740282	104.3746747	101.6638799	99.0383781	96.49504154	94.03087406	91.64300466
230630A00043	6/30/2023	4.6	6/30/2026	103.83124	102.9795711	102.1419016	101.3178912	100.5072074	99.70952871	98.92454363	98.15195066	97.39145777
230630A00046	6/30/2023	4.6	6/30/2026	103.83124	102.9795711	102.1419016	101.3178912	100.5072074	99.70952871	98.92454363	98.15195066	97.39145777
230630A00055	6/30/2023	4.35	6/30/2028	113.18461	110.2006431	107.3119983	104.5151271	101.8066296	99.18325009	96.64187039	94.17950335	91.79328649
230630A00062	6/30/2023	4.6	6/30/2026	103.83124	102.9795711	102.1419016	101.3178912	100.5072074	99.70952871	98.92454363	98.15195066	97.39145777
230630A00079	6/30/2023	4.65	6/30/2026	103.81377	102.96299	102.1261845	101.3030129	100.4931435	99.69625564	98.91203867	98.14019187	97.38042395
230630A00086	6/30/2023	4.72	6/30/2026	103.87264	103.0215905	102.1845177	101.3610817	100.5509511	99.75380487	98.96933248	98.19723311	97.43721542
230630A00088	6/30/2023	4.54	6/30/2027	108.79269	106.895675	105.0413653	103.2285469	101.4560518	99.72275251	98.0275599	96.36942188	94.74732184
230630A00094	6/30/2023	4.42	6/30/2027	108.70473	106.806122	104.9502954	103.1360365	101.3621744	99.62757842	97.93115655	96.27185394	94.64865138
230703A00013	7/3/2023	4.34	7/3/2028	113.19268	110.2002311	107.303629	104.4992928	101.7837954	99.15385526	96.6063302	94.13821018	91.7466112
230703A00015	7/3/2023	4.34	7/3/2028	113.19268	110.2002311	107.303629	104.4992928	101.7837954	99.15385526	96.6063302	94.13821018	91.7466112
230703A00018	7/3/2023	4.61	7/3/2026	103.8794	103.0191507	102.1731892	101.3411601	100.5227206	99.71753946	98.92529593	98.14567958	97.37838988
230703A00019	7/3/2023	4.61	7/3/2026	103.8794	103.0191507	102.1731892	101.3411601	100.5227206	99.71753946	98.92529593	98.14567958	97.37838988
230703A00025	7/3/2023	4.73	7/3/2026	103.92121	103.0615853	102.2162273	101.384779	100.5668986	99.76225556	98.97052995	98.19141208	97.42460212
230703A00029	7/3/2023	4.89	2/3/2026	102.04225	101.6063872	101.1742498	100.7457924	100.3209682	99.89973116	99.48203584	99.06783768	98.65709287
230703A00043	7/3/2023	4.53	7/6/2027	108.85682	106.9426729	105.0719517	103.2434193	101.4558787	99.70817423	97.99919049	96.32785003	94.69311213
230705A00006	7/5/2023	4.26	7/5/2028	113.20002	110.1970506	107.2905348	104.4768581	101.7525627	99.11433833	96.55901548	94.08355837	91.68505869
230705A00008	7/5/2023	4.63	7/6/2026	103.9363	103.06743	102.2131313	101.3730399	100.546803	99.73407939	98.93453897	98.1478623	97.37374023
230705A00019	7/5/2023	4.44	7/6/2027	108.82432	106.908011	105.0352254	103.2047165	101.4152838	99.66576851	97.95505169	96.28205292	94.64572855
230705A00034	7/5/2023	4.75	7/6/2026	103.97851	103.1102764	102.2565879	101.4170838	100.5914119	99.77923202	98.98021472	98.19404139	97.4204036
230705A00040	7/5/2023	4.38	7/5/2028	113.33294	110.3328823	107.4290639	104.6178868	101.8959037	99.25981473	96.70646008	94.23281311	91.83597415
230705A00042	7/5/2023	4.42	7/5/2028	113.44864	110.4468986	107.5414416	104.7286653	102.0051215	99.36750901	96.81266673	94.33756694	91.93930888
230705A00103	7/5/2023	4.56	7/6/2027	108.91301	106.9983194	105.127068	103.2980153	101.509964	99.76175836	98.05228252	96.38045884	94.74524637
230705A00111	7/5/2023	4.9	1/6/2026	101.6635	101.3063369	100.9516878	100.5995301	100.2498374	99.90258378	99.55774378	99.21529219	98.87520416
230706A00006	7/6/2023	4.59	7/6/2028	113.95333	110.9414639	108.0262341	105.2040221	102.4713649	99.82494735	97.26159518	94.77826804	92.37205321
230706A00014	7/6/2023	4.99	7/6/2038	151.47465	136.6630319	123.5606361	111.9564637	101.6667819	92.53146281	84.41083466	77.18296633	70.74132523
230707A00021	9/1/2023	4.61	8/30/2030	124.07518	118.5912407	113.3902479	108.4560309	103.7734309	99.32823048	95.10708974	91.09748784	87.28766834
230707A00022	9/1/2023	4.61	8/30/2030	124.07518	118.5912407	113.3902479	108.4560309	103.7734309	99.32823048	95.10708974	91.09748784	87.28766834
230707A00023	9/1/2023	4.61	8/30/2030	124.07518	118.5912407	113.3902479	108.4560309	103.7734309	99.32823048	95.10708974	91.09748784	87.28766834

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230707A00031	7/7/2023	4.84	7/7/2026	104.06939	103.1979465	102.3411477	101.498629	100.6700349	99.8550215	99.05325642	98.26441789	97.48819454
230710A00013	7/10/2023	4.55	7/10/2029	118.66557	114.5113345	110.5289175	106.7103009	103.0478838	99.53445785	96.16318418	92.92757308	89.82146412
230711A00013	7/11/2023	4.78	7/13/2026	104.09891	103.2106035	102.3375176	101.4792618	100.6354596	99.80574742	98.98977377	98.18719873	97.39769357
230711A00038	7/11/2023	4.89	10/10/2025	100.49941	100.3881946	100.2772417	100.1665482	100.0561132	99.94593581	99.83601499	99.72634984	99.61693943
230712A00002	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00014	7/12/2023	4.62	7/13/2026	103.95857	103.0709372	102.1985118	101.3409085	100.4977512	99.66867636	98.85333259	98.05138016	97.26249046
230712A00015	7/12/2023	4.62	7/13/2026	103.95857	103.0709372	102.1985118	101.3409085	100.4977512	99.66867636	98.85333259	98.05138016	97.26249046
230712A00016	7/12/2023	4.45	7/12/2027	108.78836	106.8583382	104.9724524	103.1294345	101.3280586	99.56714174	97.8455421	96.16215724	94.51592259
230712A00017	7/12/2023	4.45	7/12/2027	108.78836	106.8583382	104.9724524	103.1294345	101.3280586	99.56714174	97.8455421	96.16215724	94.51592259
230712A00018	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00019	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00020	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00021	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00035	1/12/2024	4.36	1/12/2026	101.54485	101.171305	100.8005205	100.4324669	100.0671139	99.70443162	99.34439082	98.98696254	98.6321183
230712A00039	7/12/2023	4.62	7/13/2026	103.95857	103.0709372	102.1985118	101.3409085	100.4977512	99.66867636	98.85333259	98.05138016	97.26249046
230712A00040	7/12/2023	4.45	7/12/2027	108.78836	106.8583382	104.9724524	103.1294345	101.3280586	99.56714174	97.8455421	96.16215724	94.51592259
230712A00041	7/12/2023	4.31	7/12/2028	113.21588	110.1979881	107.2775199	104.4508019	101.7143246	99.06472874	96.4987989	94.01345598	91.60575087
230712A00046	7/12/2023	4.52	7/13/2026	103.87086	102.9836458	102.1116332	101.2544378	100.4116835	99.58300695	98.76805685	97.96649355	97.17798852
230712A00051	7/12/2023	4.62	7/13/2026	103.95857	103.0709372	102.1985118	101.3409085	100.4977512	99.66867636	98.85333259	98.05138016	97.26249046
230712A00056	7/12/2023	4.22	7/12/2028	112.9538	109.9397396	107.0230066	104.1999332	101.4670125	98.82088833	96.25834788	93.77631468	91.37184212
230713A00014	7/13/2023	4.2	7/13/2028	112.90745	109.8912836	106.9725993	104.1477231	101.4131395	98.76548418	96.20153654	93.71821292	91.31255989
230713A00019	7/13/2023	4.51	7/13/2026	103.81781	102.9314536	102.0602816	101.2039048	100.3619481	99.53404881	98.71985625	97.91903146	97.13124656
230713A00021	7/13/2023	4.44	7/13/2026	103.8007	102.9138127	102.0421303	101.1852612	100.3428293	99.51447142	98.69983626	97.89858426	97.11038697
230713A00023	7/13/2023	4.2	7/13/2028	112.90745	109.8912836	106.9725993	104.1477231	101.4131395	98.76548418	96.20153654	93.71821292	91.31255989
230713A00026	7/13/2023	4.49	7/13/2026	103.84455	102.9574584	102.0855696	101.2284966	100.3858632	99.55730612	98.74247413	97.94102757	97.15263794
230713A00031	7/13/2023	4.49	7/13/2026	103.84455	102.9574584	102.0855696	101.2284966	100.3858632	99.55730612	98.74247413	97.94102757	97.15263794
230713A00058	7/13/2023	4.08	7/13/2028	112.77301	109.7539242	106.8325307	104.0051464	101.2682445	98.61845021	96.05253307	93.56740007	91.16008896
230714A00020	7/14/2023	4.52	7/14/2026	103.88367	102.9936023	102.1188401	101.2589875	100.4136652	99.58250629	98.76515631	97.96127253	97.1705235
230714A00022	7/14/2023	4.36	7/14/2027	108.64492	106.7107776	104.8209888	102.9742738	101.1693976	99.40516843	97.6804362	95.99409067	94.34505974
230714A00023	7/14/2023	4.18	7/14/2028	112.86099	109.8427184	106.9220855	104.0954093	101.3591657	98.70998195	96.14462996	93.66001878	91.25318815
230714A00026	7/14/2023	4.18	7/14/2028	112.86099	109.8427184	106.9220855	104.0954093	101.3591657	98.70998195	96.14462996	93.66001878	91.25318815
230714A00030	7/14/2023	4.52	7/17/2026	103.92207	103.0234684	102.1404545	101.2726289	100.4196015	99.5809953	98.75644624	97.9456023	97.14812319
230714A00034	7/14/2023	4.37	7/16/2027	108.69055	106.7504554	104.8549621	103.0027828	101.1926725	99.4234298	97.69389544	96.0029504	94.34951425

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230714A00036	7/14/2023	4.37	7/12/2030	122.32451	117.0241559	111.9910695	107.2103438	102.6679769	98.35081456	94.24649488	90.34339641	86.6305902
230714A00042	7/14/2023	4.58	7/14/2026	103.93646	103.0461421	102.1711307	101.3110321	100.4654665	99.63406716	98.81647959	98.01236098	97.22137981
230717A00022	7/17/2023	4.59	7/17/2026	103.98425	103.0853424	102.2020325	101.3339146	100.4805983	99.64170666	98.81687552	98.0057528	97.20799814
230717A00088	7/17/2023	4.43	7/19/2027	108.84513	106.8952453	104.9903625	103.1291711	101.3104102	99.53286359	97.79535772	96.09676	94.43597702
230718A00013	7/18/2023	4.54	7/17/2026	103.93984	103.0411467	102.1580482	101.2901391	100.4370291	99.5983414	98.77371175	97.96278816	97.16523032
230718A00014	7/18/2023	4.37	7/19/2027	108.73058	106.7818179	104.8780354	103.0179234	101.2002218	99.42371482	97.68722945	95.98963362	94.32983445
230718A00015	7/18/2023	4.19	7/18/2028	112.93763	109.9070813	106.9749043	104.1373709	101.3909193	98.73214102	96.15777433	93.66469655	91.24991754
230718A00016	7/18/2023	4.54	7/17/2026	103.93984	103.0411467	102.1580482	101.2901391	100.4370291	99.5983414	98.77371175	97.96278816	97.16523032
230718A00023	7/18/2023	4.54	7/20/2026	103.97841	103.0711727	102.179817	101.3039305	100.4431126	99.59697592	98.76514665	97.94726343	97.14297701
230718A00038	7/18/2023	4.46	11/13/2026	105.481	104.2396796	103.0277012	101.8440272	100.6876729	99.55769856	98.45320727	97.37334241	96.31728542
230718A00065	7/18/2023	4.3	7/18/2033	117.74426	113.3769235	109.2480288	105.3419985	101.6444061	98.14187922	94.82201469	91.67330158	88.68505063
230718A00070	7/18/2023	4.06	7/18/2028	112.77323	109.7401778	106.8056965	103.9660519	101.2176708	98.55713467	95.9811719	93.48665069	91.07057223
230718A00093	7/18/2023	4.06	7/18/2028	112.77323	109.7401778	106.8056965	103.9660519	101.2176708	98.55713467	95.9811719	93.48665069	91.07057223
230719A00015	7/19/2023	4.37	7/19/2027	108.73058	106.7818179	104.8780354	103.0179234	101.2002218	99.42371482	97.68722945	95.98963362	94.32983445
230719A00034	7/19/2023	4.19	7/19/2028	112.94949	109.9159836	106.9810237	104.1408772	101.3919724	98.73089242	96.15436692	93.65926539	91.24259023
230719A00081	12/16/2024	3.6	12/18/2026	104.82777	103.502412	102.2041857	100.9322672	99.68586449	98.46421739	97.26659633	96.09230054	94.94065674
230719A00091	11/13/2023	4.56	11/14/2025	100.88254	100.6738413	100.4660207	100.2590719	100.0529893	99.84776738	99.64340071	99.43988387	99.23721151
230719A00096	12/18/2023	4.46	12/19/2025	101.28504	100.9786177	100.674065	100.3713625	100.0704934	99.77144095	99.47418861	99.17872006	98.8850192
230719A00101	10/16/2023	4.65	10/17/2025	100.55766	100.4269857	100.2966678	100.1667042	100.0370934	99.9078338	99.77892401	99.65036256	99.52214799
230720A00037	7/20/2023	4.55	7/20/2026	104.05082	103.142343	102.2497872	101.3727327	100.5107774	99.66353312	98.83062486	98.01169032	97.20637932
230720A00038	7/20/2023	4.55	7/20/2026	104.05082	103.142343	102.2497872	101.3727327	100.5107774	99.66353312	98.83062486	98.01169032	97.20637932
230720A00039	7/20/2023	4.68	7/20/2026	104.10393	103.1960754	102.3041171	101.4276354	100.5662294	99.71951175	98.88710839	98.06865785	97.26381073
230721A00003	7/21/2023	4.67	7/21/2026	104.10818	103.1975188	102.3028467	101.4237446	100.5598077	99.71064536	98.87588022	98.05514769	97.2480954
230721A00006	7/21/2023	4.32	7/21/2028	113.35505	110.3099901	107.3639772	104.5132515	101.7542181	99.083438	96.49762013	93.99361432	91.56840435
230721A00029	7/21/2023	4.67	7/21/2026	104.10818	103.1975188	102.3028467	101.4237446	100.5598077	99.71064536	98.87588022	98.05514769	97.2480954
230721A00038	7/21/2023	4.67	7/21/2026	104.10818	103.1975188	102.3028467	101.4237446	100.5598077	99.71064536	98.87588022	98.05514769	97.2480954
230724A00037	7/24/2023	4.29	7/24/2028	113.30337	110.2506892	107.2975657	104.44021	101.6749996	98.99846961	96.40730471	93.89833174	91.46851291
230724A00064	7/24/2023	4.53	7/19/2027	109.03604	107.084291	105.1775744	103.3145838	101.4940575	99.71477821	97.97557152	96.27530396	94.61288131
230724A00065	7/24/2023	4.37	7/18/2028	113.4648	110.4265119	107.4867808	104.6418777	101.8882345	99.22243733	96.64121873	94.14145076	91.72013817
230724A00066	7/24/2023	4.71	8/18/2026	104.52508	103.5341024	102.5619913	101.6082113	100.6722464	99.75359984	98.85179323	97.96636566	97.09687291
230725A00016	7/25/2023	4.75	7/31/2026	104.31454	103.374928	102.4522949	101.546182	100.6561481	99.78176734	98.92262909	98.07833681	97.24850764
230725A00018	7/25/2023	4.4	7/25/2028	113.63983	110.5793806	107.6187875	104.7542475	101.9821251	99.29894271	96.7013731	94.18623187	91.75047053
230725A00023	7/25/2023	4.57	4/9/2027	107.67688	106.020714	104.3984249	102.809035	101.2516088	99.72524614	98.22908037	96.76227701	95.32403213

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230725A00028	7/25/2023	4.46	7/25/2030	122.91483	117.5630117	112.4826619	107.658545	103.0763559	98.72266135	94.58484219	90.65104004	86.91010759
230725A00071	7/25/2023	4.4	7/25/2028	113.63983	110.5793806	107.6187875	104.7542475	101.9821251	99.29894271	96.7013731	94.18623187	91.75047053
230726A00011	7/26/2023	4.24	7/26/2028	113.39871	110.3340447	107.3695878	104.5015207	101.7261878	99.04009316	96.43989191	93.9223832	91.48450303
230726A00012	7/26/2023	4.24	7/26/2028	113.39871	110.3340447	107.3695878	104.5015207	101.7261878	99.04009316	96.43989191	93.9223832	91.48450303
230726A00023	7/26/2023	4.24	7/26/2028	113.39871	110.3340447	107.3695878	104.5015207	101.7261878	99.04009316	96.43989191	93.9223832	91.48450303
230727A00016	7/27/2023	4.51	7/27/2033	133.42334	124.5632141	116.3821538	108.8240351	101.8376574	95.37629062	89.39726332	83.86159056	78.73363801
230727A00020	7/27/2023	4.39	7/27/2028	113.63519	110.569216	107.6034452	104.7340596	101.957405	99.26998609	96.66845905	94.14962376	91.71041697
230727A00033	7/27/2023	4.82	7/27/2026	104.7212	103.7117778	102.7219898	101.7512617	100.799045	99.86481231	98.94805614	98.04828787	97.16503702
230727A00037	7/27/2023	4.82	7/27/2026	104.7212	103.7117778	102.7219898	101.7512617	100.799045	99.86481231	98.94805614	98.04828787	97.16503702
230727A00063	7/27/2023	4.38	7/27/2028	113.82492	110.7511254	107.7778796	104.9013423	102.1178437	99.42387403	96.8160756	94.29123524	91.84627732
230727A00070	7/27/2023	4.75	7/27/2026	104.26077	103.3326085	102.4210272	101.5255858	100.6458577	99.78143139	98.93190956	98.09690851	97.27605768
230727A00073	7/27/2023	4.81	7/27/2026	104.31573	103.3872927	102.4754421	101.5797348	100.6997441	99.83505842	98.98528034	98.15002613	97.32892516
230727A00075	7/27/2023	4.5	7/27/2028	113.96013	110.8893339	107.9188691	105.0449047	102.2637828	99.57200444	96.96622232	94.443233	91.99997005
230728A00004	7/28/2023	4.77	7/28/2026	104.29259	103.3614723	102.4470385	101.5488405	100.6664482	99.79944642	98.94743446	98.11002546	97.28684575
230728A00005	7/28/2023	4.59	7/28/2027	109.2762	107.2972037	105.3643897	103.4764029	101.6319347	99.82972363	98.06855303	96.34724914	94.66467932
230728A00006	7/28/2023	4.46	7/28/2028	113.85459	110.782558	107.8109925	104.9360572	102.154086	99.46157227	96.85516138	94.33164311	91.88794465
230731A00012	7/31/2023	4.5	7/31/2029	118.73219	114.51705	110.4786003	106.6084853	102.8987893	99.34201052	95.93103746	92.65912643	89.5198806
230731A00037	7/31/2023	4.74	7/31/2026	104.30527	103.365704	102.4431169	101.5370494	100.6470602	99.77272378	98.91362924	98.06938014	97.23959362
230801A00021	8/1/2023	4.49	8/1/2028	113.99408	110.9087626	107.9246751	105.0379395	102.2448498	99.54186201	96.92558621	94.39277893	91.94033595
230801A00022	8/1/2023	4.65	8/2/2027	109.46252	107.467838	105.5199943	103.6176079	101.7593436	99.94391408	98.17007829	96.43663924	94.74244216
230801A00024	8/1/2023	4.82	8/3/2026	104.42161	103.4730925	102.5418639	101.6274583	100.7294222	99.84731834	98.98072469	98.12923418	97.29245385
230802A00017	8/2/2023	4.79	8/3/2026	104.39355	103.4451732	102.5140847	101.5998175	100.701918	99.81994903	98.95348862	98.10212971	97.26547939
230802A00022	9/8/2023	4.41	9/8/2028	114.23363	111.0372547	107.9490263	104.9646678	102.0800972	99.29141734	96.59490668	93.98700995	91.46432978
230802A00023	10/16/2023	4.37	10/16/2028	114.59204	111.2811635	108.0851656	104.9993784	102.0193515	99.14084267	96.35980713	93.67238663	91.0748997
230804A00030	8/4/2023	4.88	8/4/2027	105.19554	104.1248271	103.0749967	102.0454569	101.0356358	100.0449831	99.07296872	98.11908213	97.18283132
230807A00010	8/7/2023	4.4	8/7/2028	113.80152	110.7022611	107.7052407	104.8065218	102.0023418	99.2891037	96.66336785	94.12184395	91.6613838
230807A00018	8/7/2023	4.65	8/7/2026	104.31696	103.3578023	102.4163461	101.4921032	100.5846038	99.69339516	98.81804071	97.95811938	97.1132249
230807A00025	8/7/2023	4.69	8/7/2026	104.35482	103.3954679	102.4538208	101.5293893	100.6217038	99.73031142	98.85477549	97.99467493	97.14960342
230807A00033	8/7/2023	4.57	8/7/2026	104.30824	103.348179	102.4058521	101.4807688	100.572458	99.6804659	98.80435477	97.94370254	97.09810196
230807A00087	11/7/2023	4.75	11/7/2025	100.83325	100.6440083	100.4554909	100.2676889	100.0805984	99.89421507	99.708535	99.52355415	99.33926852
230807A00093	2/7/2024	4.49	2/6/2026	101.90632	101.4624899	101.0225312	100.5863952	100.154032	99.72539279	99.30042952	98.87909495	98.46134265
230808A00008	8/8/2023	4.67	4/24/2026	102.96699	102.3060457	101.6536101	101.0095164	100.3736052	99.7457209	99.1257121	98.51343104	97.90873367
230808A00014	8/8/2023	4.6	8/7/2026	104.26964	103.3107203	102.3695028	101.4454955	100.5382288	99.64724984	98.77212224	97.91242494	97.06775174

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230808A00029	8/8/2023	4.6	8/7/2026	104.26964	103.3107203	102.3695028	101.4454955	100.5382288	99.64724984	98.77212224	97.91242494	97.06775174
230808A00054	8/8/2023	4.19	8/8/2028	113.40782	110.306573	107.3078703	104.4077593	101.6024588	98.88835398	96.26198868	93.72005704	91.25939629
230808A00057	8/8/2023	4.19	8/8/2028	113.40782	110.306573	107.3078703	104.4077593	101.6024588	98.88835398	96.26198868	93.72005704	91.25939629
230808A00060	8/8/2023	4.19	8/8/2028	113.40782	110.306573	107.3078703	104.4077593	101.6024588	98.88835398	96.26198868	93.72005704	91.25939629
230809A00020	8/9/2023	4.51	11/9/2026	105.48571	104.2556406	103.0543818	101.880926	100.7343144	99.61363171	98.51800416	97.44659672	96.39861115
230809A00026	8/9/2023	4.59	8/7/2026	104.26017	103.3013039	102.3601341	101.436174	100.5289538	99.63802078	98.76293855	97.90328606	97.05865711
230809A00034	8/9/2023	4.59	8/10/2026	104.30044	103.3329934	102.3835569	101.4516318	100.5367359	99.63840485	98.75619077	97.88966197	97.03840203
230810A00010	8/10/2023	4.62	8/10/2026	104.32909	103.36149	102.4119079	101.4798391	100.5648014	99.66633024	98.78397786	97.91731249	97.06591768
230810A00013	8/10/2023	4.34	8/10/2028	113.65921	110.5536806	107.5508765	104.6468335	101.837761	99.12003598	96.49019417	93.94492224	91.48105032
230810A00024	8/10/2023	4.34	8/7/2028	113.62244	110.5258593	107.531451	104.6352796	101.8335847	99.12277126	96.49940157	93.96018722	91.50198182
230810A00025	8/10/2023	4.37	5/8/2028	112.56946	109.7450719	107.0071123	104.3523706	101.7777812	99.28041403	96.85746762	94.5062624	92.2242343
230810A00026	8/10/2023	4.4	1/10/2028	111.10277	108.6374037	106.2399427	103.9081433	101.6398463	99.43297629	97.28553752	95.19561065	93.16134922
230810A00046	8/10/2023	4.88	11/18/2025	101.00139	100.7814249	100.5624339	100.3444077	100.12734	99.91122428	99.69605432	99.48182383	99.26852659
230810A00053	8/10/2023	4.82	1/20/2026	101.82362	101.4272187	101.0339187	100.6436827	100.2564748	99.87225986	99.49100304	99.11267018	98.73722759
230810A00057	8/10/2023	4.62	8/10/2026	104.32909	103.36149	102.4119079	101.4798391	100.5648014	99.66633024	98.78397786	97.91731249	97.06591768
230811A00017	8/11/2023	4.78	8/11/2026	104.49581	103.5245564	102.5714363	101.6359404	100.7175823	99.81589323	98.93042143	98.06073134	97.20640288
230814A00028	8/14/2023	4.86	8/14/2026	104.61493	103.6346773	102.6728723	101.7290009	100.8025636	99.89307976	99.00008601	98.12313588	97.26179886
230814A00029	8/14/2023	4.71	2/12/2027	107.0844	105.5925098	104.1291027	102.6934358	101.2847879	99.9024621	98.54578508	97.21410607	95.90679587
230815A00037	8/15/2023	4.53	8/15/2028	114.29184	111.1627707	108.1375739	105.2122234	102.3828716	99.64584148	96.99761801	94.43484002	91.95429248
230815A00038	8/15/2023	4.57	8/16/2027	109.64359	107.6056222	105.6164285	103.6745335	101.7785205	99.92702521	98.11873312	96.35237747	94.62673708
230816A00025	8/16/2023	4.62	4/16/2027	107.97935	106.2986556	104.6526322	103.0402725	101.4606087	99.91270971	98.39567994	96.90865732	95.45081178
230817A00036	8/17/2023	4.91	8/17/2026	104.70617	103.7170389	102.7466827	101.7945688	100.8601852	99.94303889	99.04265503	98.15857612	97.29036118
230817A00054	5/17/2024	4.5	5/15/2026	103.11366	102.3938461	101.6841103	100.984243	100.2940392	99.61329918	98.94182886	98.27943945	97.62594723
230818A00007	8/18/2023	4.73	8/18/2026	104.61385	103.6214196	102.6478936	101.6927376	100.7554342	99.83548514	98.93241084	98.0457491	97.1750545
230818A00024	8/18/2023	4.81	8/18/2026	104.62278	103.6312897	102.6586717	101.7043914	100.7679328	99.84879893	98.94651128	98.0606088	97.19064715
230818A00025	8/18/2023	4.68	8/18/2027	109.74546	107.7036119	105.7106983	103.7652414	101.8658175	100.0110554	98.19963423	96.43028105	94.70176889
230818A00065	8/18/2023	4.82	8/18/2026	104.63255	103.6410084	102.6683397	101.7140094	100.7775014	99.85831884	98.95598309	98.07003311	97.20002457
230821A00006	8/21/2023	4.66	8/21/2028	114.76167	111.6086199	108.5607139	105.6138592	102.7641424	100.0078248	97.34133294	94.76125083	92.26431174
230821A00085	8/21/2023	5.04	2/23/2026	102.38656	101.8941902	101.4065656	100.9236186	100.4452817	99.9714892	99.50217643	99.03727998	98.57673762
230823A00036	8/23/2023	4.87	8/24/2026	104.76662	103.7575608	102.7680211	101.7974395	100.845274	99.91100303	98.9941246	98.0941554	97.21062987
230823A00066	8/23/2023	4.68	8/23/2027	109.81563	107.7591877	105.7523422	103.793583	101.8814581	100.0145698	98.19157161	96.41116661	94.67210484
230824A00008	8/24/2023	4.69	8/24/2028	112.8086	110.0842352	107.4481104	104.8967861	102.4269799	100.0355582	97.71952781	95.47602958	93.30233085
230824A00031	8/24/2023	4.49	8/24/2028	114.51133	111.3483992	108.2913612	105.3360727	102.4785789	99.71510181	97.04203151	94.45591749	91.95346067

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230824A00043	8/24/2023	4.89	8/24/2026	104.7865	103.7773279	102.7876835	101.8169986	100.8647311	99.93035945	99.01338171	98.11331447	97.22969217
230824A00061	8/24/2023	4.61	8/24/2028	114.64952	111.4897146	108.4355632	105.4829404	102.6279038	99.86668756	97.19569288	94.61147981	92.11075918
230825A00005	8/25/2023	5.14	11/21/2025	101.09974	100.8713013	100.6439081	100.4175513	100.1922238	99.96791844	99.74462833	99.52234648	99.30106603
230825A00009	8/25/2023	4.91	8/25/2026	104.82068	103.8085296	102.8160079	101.8425503	100.8876105	99.95066271	99.03120101	98.12873826	97.24280531
230825A00010	8/25/2023	4.62	8/25/2028	114.69289	111.529601	108.4721732	105.5164631	102.6585179	99.89456148	97.22098581	94.63434201	92.1313326
230825A00037	8/25/2023	4.91	8/25/2026	104.82068	103.8085296	102.8160079	101.8425503	100.8876105	99.95066271	99.03120101	98.12873826	97.24280531
230825A00043	8/25/2023	4.89	8/25/2026	104.80075	103.7887075	102.7962911	101.8229374	100.8681002	99.93125356	99.01189171	98.10952752	97.22369184
230828A00036	8/28/2023	4.8	8/28/2026	104.82435	103.8027384	102.8011148	101.8188982	100.8555275	99.91046332	98.98318667	98.07319797	97.18001622
230828A00047	8/28/2023	4.92	8/28/2026	104.87368	103.8528235	102.8519273	101.8704069	100.9077026	99.96327628	99.03661015	98.12720577	97.23458324
230828A00056	8/28/2023	4.92	8/28/2026	104.87368	103.8528235	102.8519273	101.8704069	100.9077026	99.96327628	99.03661015	98.12720577	97.23458324
230830A00028	8/30/2023	4.45	8/30/2027	109.59537	107.5189967	105.4932036	103.516433	101.5871904	99.70403724	97.86558854	96.07051067	94.31751884
230830A00029	8/30/2023	4.45	8/30/2027	109.59537	107.5189967	105.4932036	103.516433	101.5871904	99.70403724	97.86558854	96.07051067	94.31751884
230830A00034	8/30/2023	4.44	8/30/2028	114.20927	111.0392759	107.9758713	105.0148715	102.1522791	99.3842759	96.70721453	94.11760934	91.61212832
230830A00051	8/30/2023	4.45	8/30/2027	109.59537	107.5189967	105.4932036	103.516433	101.5871904	99.70403724	97.86558854	96.07051067	94.31751884
230830A00055	8/30/2023	4.47	8/30/2028	113.8602	110.7809785	107.8057204	104.9302837	102.1507153	99.463244	96.86427046	94.35035866	91.91822718
230831A00001	8/31/2023	4.77	8/31/2026	104.76474	103.7360641	102.7276574	101.7389277	100.7693022	99.8182305	98.88518308	97.96965038	97.07114192
230831A00006	8/31/2023	4.61	8/31/2027	109.78587	107.7075237	105.6798056	103.7011609	101.770093	99.88516141	98.04497937	96.24821143	94.49357116
230831A00007	8/31/2023	4.48	8/31/2028	114.34388	111.1690152	108.1009768	105.1355675	102.2687777	99.49677816	96.81591101	94.22268063	91.71374567
230831A00016	8/31/2023	4.65	8/31/2026	104.71496	103.6855138	102.6763744	101.6869434	100.716647	99.76493326	98.83127154	97.91515109	97.01608031
230831A00041	8/31/2023	4.48	8/31/2028	114.34388	111.1690152	108.1009768	105.1355675	102.2687777	99.49677816	96.81591101	94.22268063	91.71374567
230831A00066	8/31/2023	4.77	8/31/2026	104.76474	103.7360641	102.7276574	101.7389277	100.7693022	99.8182305	98.88518308	97.96965038	97.07114192
230831A00069	8/31/2023	4.61	8/31/2027	109.78587	107.7075237	105.6798056	103.7011609	101.770093	99.88516141	98.04497937	96.24821143	94.49357116
230831A00070	8/31/2023	4.48	8/31/2028	114.34388	111.1690152	108.1009768	105.1355675	102.2687777	99.49677816	96.81591101	94.22268063	91.71374567
230831A00079	8/30/2024	4.28	8/29/2031	125.89264	119.2997819	113.1056105	107.2837791	101.8098185	96.66099374	91.81617223	87.25570281	82.96130449
230901A00007	9/1/2023	4.55	9/1/2027	109.67812	107.5980279	105.5686587	103.5884498	101.6559	99.76956457	97.92805292	96.13002582	94.37419329
230901A00016	9/1/2023	4.6	8/3/2026	104.28205	103.3333004	102.4018682	101.4872803	100.5890821	99.70683539	98.84011732	97.98851999	97.15164962
230901A00037	9/1/2023	4.3	9/1/2028	114.03396	110.8556623	107.7845344	104.8163555	101.9470961	99.17290828	96.49011658	93.89520891	91.38482848
230831A00078	8/29/2025	3.91	8/30/2030	120.51087	115.1159884	110.0006926	105.1489707	100.5458113	96.17713641	92.02973823	88.09122102	84.34994692
230901A00044	9/1/2023	4.55	9/1/2027	109.67812	107.5980279	105.5686587	103.5884498	101.6559	99.76956457	97.92805292	96.13002582	94.37419329
230905A00030	9/5/2023	4.55	9/5/2028	114.62407	111.4304046	108.3445241	105.3621789	102.4793096	99.69204061	96.99667023	94.38966177	91.86763522
230905A00033	9/5/2023	4.71	9/4/2026	104.83424	103.7929051	102.7723399	101.7719227	100.7910603	99.82918242	98.88574099	97.96020873	97.05207834
230906A00020	9/6/2023	5.19	9/8/2025	100.11025	100.0879849	100.0657407	100.0435197	100.0213217	99.99914668	99.97699461	99.95486545	99.93275917
230907A00012	9/7/2023	5.17	9/8/2025	100.10979	100.0875235	100.0652797	100.0430591	100.0208614	99.9986868	99.97653511	99.95440633	99.93230043

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230907A00050	9/7/2023	5.05	9/5/2025	100.07009	100.0561679	100.0422551	100.0283557	100.0144696	100.0005968	99.9867373	99.9728911	99.95905816
230907A00051	9/7/2023	4.79	9/8/2026	104.97557	103.9222106	102.8900838	101.8785492	100.8869937	99.91482851	98.96148791	98.02642785	97.10912517
230908A00009	9/8/2023	4.55	9/8/2028	114.47048	111.304343	108.2462299	105.2917989	102.4369102	99.67761568	97.01014923	94.43091669	91.93648699
230908A00010	9/8/2023	4.73	9/9/2030	113.38436	110.505696	107.7371034	105.0734095	102.5097276	100.0414346	97.66415536	95.37374767	93.1662881
230911A00010	9/11/2023	4.9	9/11/2026	105.06079	103.9995938	102.9599412	101.9411766	100.9426735	99.96383068	99.00407041	98.0628374	97.13959776
230911A00014	9/11/2023	4.61	9/11/2028	114.88891	111.6737226	108.5674544	105.5657886	102.6646071	99.85997852	97.14814919	94.52553346	91.98870535
230911A00026	9/11/2023	5.08	9/11/2025	100.14586	100.1152453	100.0846674	100.0541238	100.0236144	99.99313912	99.96269789	99.93229066	99.90191738
230911A00030	9/11/2023	5.09	9/11/2025	100.14617	100.1155581	100.08498	100.0544361	100.0239264	99.99345086	99.96300937	99.93260188	99.90222834
230912A00026	9/12/2023	4.84	9/14/2026	105.0425	103.9729714	102.9253285	101.8988995	100.8930434	99.90714488	98.94061305	97.99288009	97.0634002
230912A00036	9/12/2023	4.57	9/12/2028	114.77898	111.562578	108.4552256	105.4525955	102.5505616	99.74518533	97.03270583	94.4095311	91.87222909
230912A00053	9/12/2023	4.74	9/7/2027	110.15133	108.0491145	105.9984062	103.9976055	102.045178	100.1396477	98.27959395	96.46364939	94.69049724
230913A00013	9/13/2023	4.87	9/14/2026	105.07406	104.0043529	102.9565349	101.9299332	100.9239068	99.93784047	98.97114309	98.02324682	97.09360584
230913A00030	9/13/2023	5.16	9/15/2025	100.2001	100.1583563	100.1166653	100.0750256	100.0334371	99.99189973	99.95041336	99.90897791	99.86759326
230913A00031	9/13/2023	4.91	9/15/2026	105.13111	104.0582685	103.0074353	101.9779324	100.9691138	99.98035926	99.0110733	98.06068374	97.12864066
230913A00032	9/13/2023	4.74	9/15/2027	110.26754	108.1411422	106.0671927	104.0440544	102.0701509	100.1439665	98.2640431	96.42897778	94.63742015
230913A00046	9/13/2023	4.91	9/14/2026	105.11613	104.0461949	102.9981433	101.9713114	100.9650581	99.97876793	99.0118498	98.0637358	97.13388003
230913A00049	9/13/2023	4.74	9/13/2027	110.23849	108.1181374	106.0500015	104.0324499	102.0639167	100.1428962	98.26793981	96.43765346	94.65069524
230913A00050	9/13/2023	4.6	9/13/2028	114.88499	111.6640458	108.5523601	105.545599	102.6396257	99.83049152	97.11442625	94.48782892	91.94725913
230914A00027	9/14/2023	4.76	1/8/2027	106.65226	105.2628569	103.8983809	102.5582149	101.2417641	99.94845244	98.67772224	97.4290333	96.20186223
230914A00031	9/14/2023	5.08	9/15/2025	100.19672	100.1549784	100.1132902	100.0716534	100.0300677	99.98853321	99.94704969	99.90561707	99.86423527
230914A00050	9/14/2023	4.67	9/14/2027	110.10824	107.9863964	105.9168521	103.897976	101.9281978	100.0060075	98.12995263	96.29863543	94.51071046
230914A00051	9/14/2023	4.84	9/14/2026	105.0425	103.9729714	102.9253285	101.8988995	100.8930434	99.90714488	98.94061305	97.99288009	97.0634002
230914A00059	7/26/2024	4.39	7/24/2026	103.8937	102.975726	102.0740152	101.1881411	100.3176886	99.46225694	98.62145912	97.7949214	96.98228268
230914A00069	7/26/2024	4.34	7/26/2027	108.76612	106.7976969	104.8751177	102.9970356	101.162155	99.36922651	97.61704515	95.90444827	94.23031388
230914A00070	7/26/2024	4.3	7/26/2028	113.35717	110.2981046	107.3389688	104.4759529	101.7054152	99.02387246	96.42799203	93.91458455	91.48059694
230914A00125	9/16/2024	4.46	9/16/2031	127.16137	120.4778112	114.2006289	108.302809	102.7592741	97.54673509	92.6435551	88.02962337	83.68624006
230915A00026	9/15/2023	4.57	9/15/2028	114.81909	111.5933415	108.4771729	105.4662281	102.5563523	99.74358004	97.02412543	94.39437278	91.8508679
230915A00030	9/15/2023	4.7	9/8/2027	110.08379	107.9794219	105.9266531	103.9238878	101.9695869	100.0622696	98.20051141	96.38294075	94.60823711
230915A00054	9/15/2023	4.88	9/15/2026	105.09946	104.0268046	102.9761474	101.946818	100.9381705	99.94958468	98.98046509	98.03023962	97.09835842
230915A00055	9/15/2023	4.7	9/15/2027	110.1847	108.0591794	105.9860882	103.9637913	101.9907128	100.0653374	98.18620748	96.35192054	94.56112663
230915A00057	9/15/2023	4.75	6/15/2027	108.95923	107.1035032	105.2887836	103.5138632	101.777577	100.0788038	98.41646472	96.78952078	95.19697123
230918A00008	9/18/2023	4.91	9/18/2026	105.17602	104.0944871	103.0353055	101.9977872	100.9812711	99.98512283	99.00873337	98.05151779	97.11291408
230918A00010	9/18/2023	4.72	9/18/2029	120.25886	115.8715048	111.6732386	107.6548546	103.8076465	100.1233783	96.59425609	93.2129014	89.97232704

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230918A00011	9/18/2023	4.91	9/18/2026	105.17602	104.0944871	103.0353055	101.9977872	100.9812711	99.98512283	99.00873337	98.05151779	97.11291408
230918A00013	9/18/2023	4.74	9/18/2030	124.96566	119.4029851	114.1294852	109.1285093	104.3844513	99.88268212	95.60948363	91.55198688	87.69811501
230918A00018	9/18/2023	5.01	3/18/2026	102.68702	102.1298446	101.5787392	101.033604	100.4943421	99.9608586	99.43306073	98.91085771	98.39416066
230918A00023	9/18/2023	4.91	9/18/2026	105.17602	104.0944871	103.0353055	101.9977872	100.9812711	99.98512283	99.00873337	98.05151779	97.11291408
230918A00027	9/18/2023	5.11	9/30/2025	100.38976	100.3063204	100.2230207	100.139858	100.0568321	99.97394252	99.89118906	99.80857134	99.72608907
230918A00030	9/18/2023	5.01	9/17/2027	105.57	104.4523425	103.3570115	102.2833619	101.2307742	100.1986526	99.18642341	98.1935342	97.21945267
230919A00010	9/19/2023	4.76	9/20/2027	110.38189	108.2399024	106.1509748	104.1134371	102.1256862	100.186181	98.2934395	96.44603614	94.64259906
230919A00029	9/19/2023	4.63	9/19/2028	115.05887	111.8177547	108.687005	105.6622218	102.7392096	99.9139645	97.1826648	94.54166101	91.98746722
230919A00043	9/19/2023	4.62	9/19/2028	115.02782	111.7871877	108.6569079	105.6325827	102.7100169	99.88520711	97.15433188	94.51374212	91.95995225
230919A00044	9/19/2023	4.93	9/21/2026	105.24237	104.152008	103.084352	102.0386953	101.0143619	100.0107029	99.02709567	98.06294244	97.11766895
230919A00047	9/19/2023	4.98	8/19/2026	104.80338	103.8081381	102.831887	101.8740873	100.9342186	100.0117796	99.10628754	98.21727762	97.34430173
230919A00055	9/19/2023	4.65	9/19/2028	115.12097	111.8788887	108.7471991	105.7215	102.7975949	99.97147926	97.23933062	94.59749879	92.04249717
230920A00002	9/20/2023	4.47	10/2/2028	114.96591	111.6830181	108.513023	105.4513819	102.4937603	99.6360244	96.87423039	94.20461453	91.62358365
230920A00025	9/20/2023	5.14	9/16/2025	100.21213	100.1676096	100.1231424	100.0787311	100.0343756	99.99007589	99.94583179	99.9016432	99.85751002
230920A00026	9/20/2023	4.9	9/16/2026	105.1355	104.0598263	103.0062698	101.9741537	100.9628268	99.97166433	99.00006627	98.04745623	97.11328028
230921A00021	9/21/2023	4.62	9/21/2028	115.28721	112.0312633	108.8864248	105.848256	102.9125237	100.0751893	97.3323976	94.6804682	92.11588577
230921A00028	9/21/2023	5.07	9/21/2026	105.33792	104.2478118	103.1803872	102.1349416	101.1107997	100.1073138	99.12386211	98.15984767	97.21469706
230922A00022	9/22/2023	4.99	9/22/2026	105.32185	104.2282154	103.1574084	102.1087179	101.0814625	100.0749886	99.08866864	98.12190058	97.1741059
230922A00025	9/22/2023	5.18	9/22/2025	100.29187	100.2306552	100.1695302	100.1084923	100.0475413	99.98667696	99.92589912	99.86520758	99.80460217
230925A00003	9/25/2023	4.99	9/25/2026	105.36744	104.2650855	103.1859107	102.129189	101.0942236	100.0803463	99.08691604	98.11331768	97.1589604
230925A00004	9/25/2023	4.74	9/25/2028	115.4835	112.2182592	109.0645997	106.0180528	103.0743603	100.2294598	97.47947433	94.82070272	92.24961035
230925A00057	9/25/2023	5.19	9/30/2025	100.39642	100.3129791	100.2296739	100.1465057	100.0634742	99.98057919	99.89782023	99.81519704	99.73270928
230925A00080	9/25/2023	5.07	9/30/2025	100.39226	100.3087648	100.2254058	100.1421846	100.0591008	99.97615404	99.89334409	99.81067057	99.72813315
230925A00114	9/25/2023	5.09	3/25/2026	102.82832	102.2512101	101.6805997	101.1163764	100.5584333	100.0066657	99.46097137	98.92125017	98.38740426
230925A00121	9/25/2023	5.2	9/25/2025	100.33223	100.2626726	100.1932224	100.1238769	100.0546358	99.98549888	99.91646596	99.84753678	99.7787111
230926A00010	9/26/2023	4.74	9/26/2028	115.49734	112.2289686	109.0723507	106.023015	103.0766937	100.2293152	97.47699408	94.81602104	92.24285397
230926A00021	9/26/2023	4.73	9/26/2028	115.4661	112.1982118	109.0420696	105.9931975	103.047328	100.20039	97.44849839	94.78794423	92.21518577
230926A00048	9/26/2023	5.2	9/26/2025	100.34527	100.2729362	100.2007118	100.1285984	100.0565955	99.98470291	99.91292046	99.84124785	99.76968484
230926A00076	9/26/2023	4.73	9/26/2028	115.4661	112.1982118	109.0420696	105.9931975	103.047328	100.20039	97.44849839	94.78794423	92.21518577
230927A00020	9/27/2023	5.01	10/16/2026	105.7157	104.5519998	103.4140671	102.301048	101.2121288	100.1465311	99.10350982	98.08235123	97.08237151
230927A00021	9/27/2023	4.96	1/29/2027	107.23382	105.7826271	104.3584225	102.9605198	101.5882526	100.2409763	98.91806786	97.61892419	96.34296178
230927A00032	9/27/2023	5.02	9/23/2026	105.36936	104.2726288	103.19885	102.1473023	101.1172991	100.108182	99.11931905	98.15010353	97.19995289
230927A00033	9/27/2023	4.78	9/25/2028	115.60836	112.341178	109.1856189	106.1372209	103.1917242	100.3450647	97.59336417	94.93291982	92.36019571

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
230927A00034	9/27/2023	4.82	9/27/2028	115.76138	112.4859489	109.3225595	106.2667197	103.3141485	100.4607623	97.70266377	95.0361329	92.45761722
230928A00001	9/28/2023	4.91	9/28/2026	105.40345	104.2912709	103.2026717	102.1369037	101.0932531	100.0710354	99.06959425	98.08829972	97.12654724
230928A00014	9/28/2023	4.9	9/28/2027	110.7936	108.6241736	106.5088317	104.4458626	102.4336186	100.4705163	98.55503359	96.68570701	94.86112884
230928A00016	9/28/2023	4.83	9/28/2028	115.80675	112.5276852	109.3608523	106.3017514	103.3460916	100.4897793	97.72890863	95.05975094	92.4787459
230928A00017	9/28/2023	4.83	9/28/2028	115.80675	112.5276852	109.3608523	106.3017514	103.3460916	100.4897793	97.72890863	95.05975094	92.4787459
230928A00033	9/28/2023	5.03	9/28/2026	105.45667	104.3453321	103.2575339	102.1925303	101.1496091	100.1280875	99.12731056	98.14664982	97.18550206
230928A00047	9/28/2023	5.21	9/29/2025	100.38521	100.3045333	100.2239876	100.1435722	100.0632868	99.98313114	99.90310483	99.82320759	99.74343912
230928A00051	9/28/2023	5.04	9/28/2026	105.86206	104.6781955	103.5211609	102.3900434	101.2839757	100.202129	99.14371049	98.10796203	97.09415774
230928A00058	9/28/2023	5.04	9/28/2026	105.86206	104.6781955	103.5211609	102.3900434	101.2839757	100.202129	99.14371049	98.10796203	97.09415774
230928A00059	9/28/2023	4.84	9/28/2028	115.62766	112.3867636	109.2578213	106.2362667	103.3177531	100.4981386	97.77347507	95.13999777	92.59411544
230928A00060	9/28/2023	4.84	9/28/2028	115.62766	112.3867636	109.2578213	106.2362667	103.3177531	100.4981386	97.77347507	95.13999777	92.59411544
230928A00061	9/28/2023	4.84	9/28/2028	115.62766	112.3867636	109.2578213	106.2362667	103.3177531	100.4981386	97.77347507	95.13999777	92.59411544
230928A00064	9/28/2023	4.78	9/30/2027	110.72481	108.5473887	106.4244016	104.3541207	102.3348828	100.3650897	98.44320538	96.56775333	94.73731329
230929A00031	9/29/2023	5.14	9/29/2025	100.37957	100.298896	100.2183551	100.1379446	100.057664	99.97751315	99.89749163	99.81759919	99.73783551
230929A00033	9/29/2023	4.92	9/29/2026	105.35168	104.2381332	103.1482339	102.0812321	101.0364106	100.0130819	99.01058673	98.02829247	97.06559192
230929A00046	9/29/2023	4.66	9/29/2027	110.45655	108.2849066	106.1675221	104.1026741	102.0887061	100.1240267	98.20710615	96.33647382	94.51071517
230929A00049	9/29/2023	4.87	9/30/2030	113.23534	110.4639589	107.7968335	105.2291177	102.7562241	100.3738115	98.07777012	95.86420738	93.72943519
230929A00059	9/29/2023	5.14	9/29/2025	100.37957	100.298896	100.2183551	100.1379446	100.057664	99.97751315	99.89749163	99.81759919	99.73783551
230929A00061	9/29/2023	4.92	9/29/2026	105.35168	104.2381332	103.1482339	102.0812321	101.0364106	100.0130819	99.01058673	98.02829247	97.06559192
230929A00062	9/29/2023	4.78	9/29/2027	110.55538	108.3856282	106.2700329	104.2068735	102.1944981	100.2313198	98.31581312	96.44651126	94.6220035
231002A00018	10/2/2023	4.87	10/1/2027	110.77462	108.5968412	106.4735043	104.4028759	102.3832923	100.4131548	98.49092713	96.61513239	94.78435002
231002A00042	10/2/2023	4.73	10/2/2028	115.78356	112.487809	109.3052887	106.231444	103.2619295	100.392601	97.61950468	94.93886729	92.34708644
231003A00005	10/3/2023	4.84	10/3/2028	115.90766	112.6126708	109.4308283	106.3575789	103.3885817	100.519697	97.74697495	95.06664626	92.47511223
231003A00011	10/3/2023	4.89	10/15/2027	111.01989	108.8004308	106.637152	104.52824	102.471952	100.466615	98.51062251	96.60243115	94.7405577
231003A00036	10/3/2023	4.84	10/3/2028	115.90766	112.6126708	109.4308283	106.3575789	103.3885817	100.519697	97.74697495	95.06664626	92.47511223
231004A00006	10/4/2023	4.88	10/4/2028	116.04732	112.7473036	109.5606657	106.4828399	103.5094739	100.6364169	97.85970897	95.17557114	92.58039565
231005A00003	10/5/2023	5.14	10/6/2025	100.47321	100.3730998	100.2731985	100.1735059	100.0740212	99.97474394	99.87567327	99.77680857	99.67814916
231005A00035	10/5/2023	4.98	10/5/2026	105.51027	104.3788712	103.2718626	102.1884575	101.1279055	100.0894877	99.07251489	98.07632643	97.10028853
231005A00037	10/5/2023	4.88	10/5/2027	110.85365	108.6638786	106.5290467	104.4473958	102.4172396	100.4369586	98.5049964	96.61985726	94.78010283
231005A00039	10/5/2023	5.16	10/6/2025	100.47521	100.3750973	100.2751943	100.1755	100.0760137	99.97673465	99.87766228	99.77879588	99.68013477
231005A00040	10/5/2023	4.98	10/5/2026	105.51027	104.3788712	103.2718626	102.1884575	101.1279055	100.0894877	99.07251489	98.07632643	97.10028853
231005A00054	10/5/2023	4.98	10/5/2026	105.51027	104.3788712	103.2718626	102.1884575	101.1279055	100.0894877	99.07251489	98.07632643	97.10028853
231006A00009	10/6/2023	4.98	10/15/2027	111.21382	108.9922258	106.8268619	104.7159069	102.6576165	100.6503169	98.69240012	96.7823219	94.91859795

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231006A00010	10/6/2023	4.93	10/16/2028	116.3731	113.0339094	109.8103412	106.6976972	103.6915026	100.7874921	97.98159841	95.2699421	92.64882118
231006A00032	10/6/2023	5.08	10/6/2026	105.63714	104.5021661	103.3917172	102.3049996	101.241257	100.1997646	99.17982835	98.18078242	97.20198838
231006A00033	10/6/2023	4.98	10/6/2027	111.08107	108.8860511	106.746135	104.6595626	102.6246407	100.6397433	98.70330777	96.81383254	94.9698737
231010A00007	10/10/2023	4.83	10/12/2027	110.84762	108.6384096	106.4849822	104.3855379	102.3383517	100.3417674	98.39419434	96.49410424	94.64002806
231010A00030	10/10/2023	4.88	10/15/2026	105.5521	104.392218	103.257964	102.1484905	101.0629899	100.0006897	98.9608502	97.94276289	96.94574882
231010A00031	10/10/2023	5.08	10/10/2025	100.52051	100.4092788	100.2983069	100.1875945	100.0771406	99.96694428	99.85700464	99.7473207	99.63789154
231010A00057	10/10/2023	4.66	10/10/2028	115.67143	112.3547606	109.152685	106.0605601	103.0739636	100.1886793	97.40068617	94.70614787	92.10140314
231010A00068	10/10/2023	4.83	10/8/2027	110.7903	108.5928594	106.4507067	104.3620648	102.3252315	100.3385717	98.40051494	96.50955178	94.66423113
231010A00075	10/10/2023	4.78	10/10/2028	115.81433	112.5010055	109.302015	106.2127323	103.2287494	100.3458636	97.56006646	94.86753362	92.26461492
231010A00076	10/10/2023	4.66	10/10/2028	115.67143	112.3547606	109.152685	106.0605601	103.0739636	100.1886793	97.40068617	94.70614787	92.10140314
231010A00101	10/10/2023	4.78	10/10/2028	115.81433	112.5010055	109.302015	106.2127323	103.2287494	100.3458636	97.56006646	94.86753362	92.26461492
231010A00129	10/10/2023	4.93	10/13/2026	105.57815	104.4237611	103.2947543	102.1902944	101.1095855	100.0518655	99.01640515	98.00250534	97.00949622
231011A00004	10/11/2023	4.81	10/8/2027	110.74759	108.5506209	106.4089234	104.3207277	102.2843317	100.2981006	98.36046419	96.46991325	94.62499691
231011A00016	10/11/2023	4.75	10/11/2028	115.73295	112.4180861	109.2176958	106.1271459	103.1420198	100.2581067	97.47139042	94.77803962	92.1743975
231011A00028	10/11/2023	4.92	10/9/2026	105.50523	104.3625781	103.244803	102.1510984	101.0806914	100.0328416	99.00683988	98.00200668	97.01769029
231011A00029	10/11/2023	4.81	10/8/2027	110.74759	108.5506209	106.4089234	104.3207277	102.2843317	100.2981006	98.36046419	96.46991325	94.62499691
231011A00030	10/11/2023	4.75	10/11/2028	115.73295	112.4180861	109.2176958	106.1271459	103.1420198	100.2581067	97.47139042	94.77803962	92.1743975
231012A00016	10/12/2023	5.14	10/14/2025	100.58114	100.4587599	100.3366972	100.2149473	100.0935089	99.97238078	99.85156175	99.73105056	99.61084598
231012A00027	10/12/2023	4.78	10/16/2028	115.89603	112.5644239	109.3482406	106.2427904	103.243605	100.3464253	97.54719003	94.84202546	92.22723507
231013A00017	10/13/2023	5.13	10/14/2025	100.57991	100.4575393	100.3354778	100.213729	100.0922918	99.97116484	99.85034697	99.72983693	99.60963351
231013A00020	10/13/2023	4.98	10/13/2026	105.63477	104.4800458	103.350703	102.2459121	101.1648771	100.1068361	99.07105922	98.0568476	97.06353116
231016A00016	10/16/2023	5.01	10/16/2026	105.7157	104.5519998	103.4140671	102.301048	101.2121288	100.1465311	99.10350982	98.08235123	97.08237151
231016A00047	10/16/2023	4.98	2/10/2027	107.45011	105.9614743	104.5011547	103.0684091	101.6625231	100.2828064	98.92859212	97.59923536	96.29411265
231016A00049	10/16/2023	4.95	7/19/2027	109.83789	107.8782829	105.9638643	104.0933174	102.2653762	100.4788196	98.73246944	97.02518859	95.35587931
231017A00008	10/17/2023	5.26	10/17/2025	100.63727	100.5065124	100.3761151	100.2460721	100.1163821	99.98704347	99.85805484	99.7294147	99.60112162
231017A00017	10/17/2023	5.11	10/16/2026	105.82978	104.6653931	103.5267788	102.4130884	101.3235081	100.2572593	99.21359646	98.19180575	97.19120309
231017A00029	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00032	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00033	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00034	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00035	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00036	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989
231017A00037	10/17/2023	4.99	10/17/2028	116.37421	113.0646294	109.8709244	106.7882999	103.8121938	100.9382628	98.16237016	95.48057475	92.88911989

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231017A00039	10/17/2023	5.12	10/16/2026	106.24803	105.0091415	103.7995568	102.6182392	101.4642015	100.3365024	99.2342433	98.1565663	97.10265173
231017A00040	10/17/2023	5.12	10/16/2026	106.24803	105.0091415	103.7995568	102.6182392	101.4642015	100.3365024	99.2342433	98.1565663	97.10265173
231017A00041	10/17/2023	5.12	10/16/2026	106.24803	105.0091415	103.7995568	102.6182392	101.4642015	100.3365024	99.2342433	98.1565663	97.10265173
231018A00026	10/18/2023	5.28	1/7/2026	101.81329	101.4530194	101.0953113	100.740136	100.3874665	100.0372763	99.68953925	99.34422947	99.00132154
231019A00006	10/19/2023	5.29	10/20/2025	100.6829	100.5437704	100.4050432	100.2667134	100.1287793	99.99123901	99.85409097	99.71733341	99.58096463
231019A00007	10/19/2023	5.19	10/19/2026	105.9695	104.7957711	103.6482006	102.5259227	101.4281057	100.3539545	99.30270773	98.27363673	97.26604336
231019A00009	10/19/2023	5.14	10/19/2027	111.61936	109.3821195	107.2016876	105.0762174	103.00394	100.9831576	99.01224004	97.08962187	95.21379878
231019A00031	1/22/2024	5.12	1/30/2026	102.08501	101.660136	101.2388047	100.8209672	100.4065803	99.9956014	99.58798856	99.18370055	98.78269682
231019A00036	10/19/2023	5.27	10/20/2025	100.68012	100.5409967	100.4022725	100.2639456	100.1260143	99.98847695	99.85133179	99.71457711	99.57821121
231019A00041	10/19/2023	5.08	10/19/2028	116.89354	113.5375353	110.2979039	107.1699052	104.1490276	101.2309711	98.41163575	95.68711139	93.05366718
231019A00043	10/19/2023	5.19	10/19/2026	105.9695	104.7957711	103.6482006	102.5259227	101.4281057	100.3539545	99.30270773	98.27363673	97.26604336
231019A00044	10/19/2023	5.14	10/19/2027	111.61936	109.3821195	107.2016876	105.0762174	103.00394	100.9831576	99.01224004	97.08962187	95.21379878
231020A00041	10/20/2023	5.19	10/20/2025	100.66901	100.529902	100.3911894	100.2528741	100.1149545	99.9774287	99.8402951	99.70355194	99.56719754
231020A00048	10/20/2023	5.08	10/20/2026	105.85894	104.6830509	103.5334394	102.4092292	101.309583	100.2337004	99.18081523	98.15019408	97.14113447
231020A00049	10/20/2023	5.03	10/20/2027	111.396	109.158431	106.9777378	104.8520742	102.779667	100.7588145	98.78788284	96.865303	94.98956745
231020A00051	10/20/2023	5.02	10/20/2028	116.71649	113.3604696	110.1209185	106.9930959	103.9724825	101.0547713	98.23585585	95.51182	92.8789273
231020A00069	10/20/2023	5.08	10/15/2026	105.77971	104.6184555	103.4828445	102.3720347	101.285218	100.2216214	99.18050463	98.16115876	97.16290437
231020A00070	10/20/2023	5.19	10/15/2025	100.60087	100.4757049	100.3508636	100.2263489	100.1021593	99.97829364	99.85475049	99.73152859	99.60862664
231023A00029	10/23/2023	5.19	10/23/2025	100.70989	100.5624095	100.4153678	100.2687679	100.1226076	99.97688505	99.83159821	99.68674512	99.54232381
231023A00034	4/23/2024	4.95	4/23/2026	103.13703	102.4782453	101.8279049	101.1858441	100.5519051	99.92593424	99.30778174	98.69730149	98.09435104
231024A00017	10/24/2023	4.97	10/25/2027	111.3395	109.0885694	106.8951167	104.7572664	102.6732171	100.6412407	98.65967854	96.72693803	94.84148949
231024A00029	10/24/2023	4.97	10/25/2027	111.3395	109.0885694	106.8951167	104.7572664	102.6732171	100.6412407	98.65967854	96.72693803	94.84148949
231024A00030	10/24/2023	4.96	10/24/2028	116.58148	113.216234	109.9681175	106.8323438	103.8043556	100.8798101	98.05456762	95.32468086	92.68638427
231024A00039	10/24/2023	5.06	10/26/2026	105.93066	104.7373283	103.5710387	102.4308737	101.3159606	100.2254657	99.15859129	98.11457442	97.09268454
231024A00046	10/24/2023	4.96	10/24/2028	116.58148	113.216234	109.9681175	106.8323438	103.8043556	100.8798101	98.05456762	95.32468086	92.68638427
231024A00079	10/24/2023	5.18	10/24/2025	100.72202	100.5717459	100.4219285	100.2725679	100.1236621	99.97520878	99.82720605	99.67965178	99.53254391
231024A00082	10/24/2023	5.05	10/23/2026	105.87167	104.6872101	103.5294023	102.3973543	101.2902117	100.2071572	99.14740913	98.11021938	97.09487152
231025A00003	10/25/2023	5.07	10/24/2025	100.71591	100.5655276	100.4156105	100.2661517	100.117149	99.96860045	99.82050384	99.67285712	99.52565819
231025A00004	10/25/2023	5.07	10/24/2025	100.71591	100.5655276	100.4156105	100.2661517	100.117149	99.96860045	99.82050384	99.67285712	99.52565819
231025A00013	10/25/2023	5.08	10/26/2026	105.95403	104.7605561	103.5941237	102.453818	101.3387665	100.2481353	99.18112666	98.13697757	97.11495743
231025A00018	10/25/2023	5.19	10/27/2025	100.7644	100.6057404	100.447586	100.2899346	100.1327839	99.97613141	99.81997483	99.66431177	99.5091399
231025A00024	10/25/2023	5	10/25/2028	116.72382	113.3534563	110.100454	106.9600198	103.9275844	100.9987937	98.16949757	95.43573862	92.79374198
231025A00036	10/25/2023	5.08	10/21/2026	105.87479	104.6959691	103.5435557	102.416664	101.3144511	100.2361107	99.18087177	98.14799579	97.13677565

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231027A00015	10/27/2023	5.08	2/23/2026	102.4061	101.9136772	101.4259976	100.9429957	100.4646045	99.99075803	99.52139164	99.05644193	98.59584667
231027A00028	10/27/2023	4.92	10/23/2028	116.43936	113.0792278	109.8359899	106.7048698	103.6813223	100.7610157	97.93982119	95.21380114	92.57919942
231027A00035	10/27/2023	4.99	10/30/2026	105.91125	104.7067072	103.5297034	102.379303	101.2546097	100.1547674	99.07895739	98.02639686	96.99633653
231027A00036	10/27/2023	5.13	11/3/2025	100.84999	100.6718045	100.4942522	100.3173296	100.1410334	99.96536023	99.79030676	99.61586971	99.44204582
231030A00035	10/30/2023	4.85	10/30/2028	116.55389	113.1662457	109.8971222	106.7416498	103.6951939	100.7533393	97.91187897	95.16680199	92.51428347
231031A00021	10/31/2023	5.18	10/30/2025	100.80361	100.6365653	100.470073	100.3041313	100.1387376	99.97388908	99.80958315	99.64581713	99.48258838
231031A00022	10/31/2023	5.04	10/30/2026	105.97024	104.7653258	103.5879582	102.4371996	101.3121539	100.2119645	99.13581283	98.08291578	97.05252397
231031A00033	10/31/2023	5.05	10/30/2026	105.98204	104.7770495	103.5996091	102.4487789	101.3236627	100.2234039	99.14718392	98.09421956	97.06376146
231031A00040	4/30/2024	5.1	10/31/2025	100.80366	100.6338336	100.4645774	100.295888	100.1277626	99.96019829	99.7931924	99.62674213	99.46084474
231101A00016	11/1/2023	4.99	11/3/2025	100.8374	100.6591057	100.4814419	100.3044098	100.1280058	99.95222659	99.7770689	99.60252937	99.42860472
231102A00022	11/2/2023	4.91	11/10/2026	105.9839	104.747815	103.5407262	102.3616165	101.2095192	100.0835117	98.9827131	97.90628183	96.8534134
231102A00024	11/2/2023	4.78	11/2/2028	116.12813	112.744443	109.479316	106.3278756	103.2854785	100.3477018	97.51033147	94.76935021	92.12092745
231102A00025	11/2/2023	4.9	12/8/2026	106.39193	105.078406	103.7946444	102.5396339	101.3124064	100.1120375	98.93764348	97.78837955	96.66343742
231102A00026	11/2/2023	4.9	1/12/2027	106.90241	105.5002652	104.1234472	102.7713302	101.4433054	100.1387838	98.85719488	97.59798648	96.36062356
231102A00027	11/2/2023	4.89	2/9/2027	107.30257	105.8180961	104.3618065	102.9329653	101.5308625	100.1548125	98.80415228	97.47824118	96.17645953
231102A00028	11/2/2023	4.88	3/9/2027	107.71718	106.1469667	104.6078873	103.0990859	101.6197406	100.1690589	98.74627607	97.35065435	95.98148153
231102A00029	11/2/2023	4.88	4/13/2027	108.2426	106.5702575	104.932264	103.327623	101.7553802	100.2146182	98.70445354	97.22403611	95.77254695
231102A00030	11/2/2023	4.87	5/11/2027	108.64999	106.8951893	105.1775902	103.4960716	101.84956	100.2370246	98.65747543	97.10996105	95.59356683
231102A00031	11/2/2023	5.1	11/3/2025	100.84466	100.6664806	100.4889352	100.3120195	100.1357301	99.9600637	99.78501701	99.61058672	99.43676957
231102A00032	11/2/2023	4.91	11/2/2026	105.86258	104.6498586	103.4650663	102.3072414	101.1754691	100.0688759	98.98662649	97.92792261	96.89200038
231102A00033	11/2/2023	4.83	11/2/2027	111.14904	108.8777029	106.6648093	104.5084333	102.4067282	100.3579228	98.36031824	96.4122837	94.51225358
231102A00039	11/2/2023	4.91	10/28/2026	105.78611	104.5880192	103.4172004	102.2727323	101.1537307	100.0593512	98.98878581	97.94126199	96.91604015
231102A00064	1/22/2024	5.01	1/22/2026	101.92653	101.5243234	101.1253037	100.7294335	100.3366754	99.94699269	99.56034922	99.17670941	98.79603826
231102A00070	2/15/2024	4.86	2/16/2027	107.36717	105.8609695	104.3837384	102.9347139	101.5131573	100.1183548	98.74961718	97.40627834	96.08769443
231103A00002	11/3/2023	4.67	11/29/2027	111.17713	108.827798	106.5405487	104.3132728	102.1439517	100.0306524	97.97152344	95.96479055	94.00875265
231103A00008	11/3/2023	4.97	11/3/2025	100.82156	100.6434106	100.4658949	100.2890088	100.112749	99.93711206	99.76209475	99.58769377	99.41390584
231103A00029	11/3/2023	4.75	11/3/2026	105.6872	104.4727677	103.2863753	102.1270574	100.9938932	99.8860035	98.80254793	97.74272319	96.70576084
231103A00034	11/3/2023	4.49	11/3/2028	115.44653	112.0651399	108.8025414	105.6538396	102.6143727	99.67970079	96.84559381	94.10801986	91.46313468
231106A00007	11/6/2023	4.78	11/5/2027	111.08202	108.8028225	106.5824471	104.4189519	102.3104719	100.2552188	98.25147746	96.29760198	94.39201233
231106A00020	11/6/2023	5.02	11/6/2025	100.87078	100.6842585	100.4984387	100.3133128	100.128877	99.9451273	99.76205987	99.57967085	99.39795646
231107A00009	11/7/2023	5.03	11/7/2025	100.88611	100.6968006	100.508213	100.3203412	100.1331809	99.94672815	99.76097881	99.57592889	99.39157437
231107A00011	11/7/2023	4.84	11/9/2026	105.8842	104.6515836	103.4478161	102.271892	101.1228515	99.99977833	98.90179761	97.82807336	96.77780645
231108A00015	11/8/2023	4.83	11/9/2026	105.87213	104.6395854	103.4358939	102.2600446	101.1110776	99.98807692	98.8901675	97.81651347	96.76631568

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231108A00026	11/8/2023	5.04	11/7/2025	100.888	100.698686	100.510096	100.3222216	100.1350589	99.94860362	99.76285181	99.57779941	99.39344244
231108A00028	11/8/2023	4.83	11/9/2026	105.87213	104.6395854	103.4358939	102.2600446	101.1110776	99.98807692	98.8901675	97.81651347	96.76631568
231109A00025	11/9/2023	4.75	11/9/2028	115.57421	112.28248	109.1071743	106.0434474	103.0866898	100.2325126	97.47673588	94.81537676	92.24463903
231113A00034	11/13/2023	5.16	11/13/2025	100.99364	100.7875608	100.5823335	100.3779556	100.1744219	99.97172699	99.76986573	99.56883287	99.36862324
231113A00038	11/13/2023	4.97	11/13/2026	106.10252	104.8571918	103.6412682	102.4537132	101.2935403	100.1598082	99.05161833	97.96811253	96.90847074
231114A00006	11/14/2024	4.67	11/14/2031	129.02974	122.1177701	115.6347082	109.5514416	103.8409897	98.47833934	93.4402909	88.70531658	84.2534312
231114A00007	11/14/2024	4.89	11/14/2034	140.648	130.1247241	120.5172501	111.7398272	103.7152012	96.37372848	89.65258721	83.49507519	77.84998282
231114A00046	11/14/2023	4.62	11/14/2028	115.77334	112.3604252	109.068197	105.89164	102.8259854	99.86669315	97.0094399	94.2501065	91.58476705
231114A00072	11/14/2023	4.67	11/15/2027	110.97961	108.6728343	106.4261968	104.2376847	102.1053707	100.0274079	98.00202597	96.02752692	94.10228174
231114A00074	11/14/2023	4.6	11/14/2028	115.7081	112.2962557	109.0050614	105.8295111	102.7648368	99.80649948	96.95017662	94.19174989	91.5272942
231115A00039	11/15/2023	4.85	11/16/2026	106.00128	104.7481261	103.524761	102.3301328	101.1632354	100.0231094	98.90883905	97.81955003	96.75440714
231117A00001	11/17/2023	4.99	11/12/2025	100.94536	100.7421146	100.5397042	100.3381205	100.1373583	99.93741257	99.73827825	99.53995035	99.34242391
231117A00002	11/17/2023	4.76	11/12/2026	105.83185	104.5910914	103.379578	102.1962795	101.0402166	99.91045472	98.80610195	97.72630619	96.67025314
231117A00003	11/17/2023	4.59	11/17/2028	115.71566	112.2949498	108.9954674	105.8121681	102.7402508	99.77514574	96.91250132	94.14817237	91.47820859
231121A00015	11/21/2023	4.75	11/30/2026	106.08477	104.7914214	103.5297621	102.2986344	101.0969378	99.9236244	98.77769561	97.65819909	96.5642263
231122A00029	11/22/2023	5.05	11/24/2025	101.11982	100.8830241	100.6473412	100.4127672	100.1792943	99.94691469	99.71562068	99.48540464	99.25625902
231127A00024	11/27/2023	4.78	11/27/2026	106.07831	104.7935036	103.5399807	102.3166034	101.1222919	99.95601728	98.81679893	97.70370139	96.61583197
231127A00025	11/27/2023	4.68	11/29/2027	111.19993	108.8503374	106.5628295	104.3353005	102.1657313	100.0521891	97.99282212	95.98585599	94.02958949
231127A00026	11/27/2023	4.61	11/27/2028	115.91554	112.4623863	109.1324676	105.9206135	102.821909	99.8316779	96.94546943	94.15904546	91.46836887
231127A00065	11/27/2023	5.03	11/26/2025	101.14204	100.899651	100.658426	100.4183592	100.179442	99.94166639	99.70502406	99.46950694	99.235107
231128A00002	11/28/2023	4.41	11/30/2028	115.54184	112.0800882	108.742331	105.5233516	102.4181885	99.42212204	96.53066088	93.73952913	91.04465436
231128A00003	11/28/2023	4.41	11/30/2028	115.54184	112.0800882	108.742331	105.5233516	102.4181885	99.42212204	96.53066088	93.73952913	91.04465436
231128A00009	11/28/2023	4.73	12/14/2026	106.25807	104.9318661	103.6339408	102.3633937	101.1193591	99.901008	98.70754618	97.53821233	96.39227636
231129A00006	11/29/2023	4.25	11/29/2028	114.99954	111.5496573	108.2233384	105.0153842	101.9208524	98.93504158	96.05347758	93.27190075	90.58625398
231130A00072	11/30/2023	4.83	12/1/2025	101.15869	100.9023843	100.647379	100.3936615	100.1412222	99.89005129	99.64013938	99.39147699	99.14405478
231130A00073	11/30/2023	4.61	11/30/2026	105.90754	104.6153763	103.3548831	102.1249017	100.9243323	99.75212748	98.60728916	97.4888655	96.39594841
231130A00074	11/30/2023	4.45	11/30/2028	115.42687	111.9730209	108.6427676	105.4309123	102.3325137	99.34287128	96.45751158	93.67217557	90.98280669
231201A00024	12/1/2023	4.36	12/1/2028	115.14168	111.6897287	108.3614329	105.1515946	102.05527	99.06775559	96.18457516	93.40146669	90.7143706
231201A00026	12/1/2023	4.51	12/1/2026	105.79452	104.500856	103.2386042	102.0066243	100.8038334	99.62919973	98.48173989	97.36051575	96.264632
231201A00034	12/1/2023	4.62	3/2/2026	102.27046	101.7589653	101.2525905	100.7512598	100.2548982	99.76343188	99.27678873	98.79489793	98.31769006
231205A00025	12/5/2023	4.61	12/15/2025	101.30055	101.004973	100.7111362	100.4190247	100.1286233	99.83991681	99.55289031	99.26752903	98.98381839
231206A00012	12/6/2023	4.31	12/6/2028	115.03744	111.5731642	108.2334422	105.0130417	101.9069861	98.91053904	96.01919164	93.22864961	90.5348216
231206A00044	12/8/2023	4.71	12/8/2025	101.21878	100.9429899	100.6687096	100.39593	100.1246389	99.85482383	99.58647285	99.31957394	99.05411525

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231206A00046	12/6/2023	4.39	12/6/2027	110.62922	108.2667166	105.9671081	103.728271	101.5481718	99.42486217	97.35647421	95.34121662	93.37737079
231206A00047	12/6/2023	4.31	12/6/2028	115.03744	111.5731642	108.2334422	105.0130417	101.9069861	98.91053904	96.01919164	93.22864961	90.5348216
231206A00070	12/6/2023	4.71	12/8/2025	101.21878	100.9429899	100.6687096	100.39593	100.1246389	99.85482383	99.58647285	99.31957394	99.05411525
231207A00010	12/7/2023	4.38	12/7/2027	110.61907	108.2539106	105.9517787	103.7105491	101.5281864	99.40274013	97.33234006	95.31519241	93.34957597
231207A00011	12/7/2023	4.28	12/7/2028	114.94991	111.4842724	108.1433428	104.9218793	101.8148994	98.81766123	95.92565016	93.13456634	90.44031285
231207A00014	12/7/2023	4.7	12/8/2025	101.21604	100.9402464	100.6659709	100.3931961	100.1219097	99.85209949	99.58375326	99.31685908	99.0514051
231207A00016	12/7/2023	4.47	12/7/2026	105.82455	104.5171399	103.2396719	101.9911169	100.770492	99.57685866	98.40932032	97.26702005	96.14913834
231207A00034	12/7/2023	4.7	12/5/2025	101.17723	100.9098178	100.6438278	100.3792462	100.1160619	99.85426381	99.59384088	99.33478227	99.07707723
231207A00035	12/7/2023	4.47	12/7/2026	105.82455	104.5171399	103.2396719	101.9911169	100.770492	99.57685866	98.40932032	97.26702005	96.14913834
231208A00021	3/15/2024	4.75	9/15/2025	100.18277	100.1410444	100.099368	100.057743	100.0161691	99.9746463	99.93317451	99.89175362	99.85038353
231208A00022	3/15/2024	4.69	12/15/2025	101.30364	101.0082858	100.7146662	100.4227681	100.1325761	99.84407525	99.55725068	99.27208769	98.98857176
231208A00023	3/15/2024	4.61	3/16/2026	102.44098	101.8901322	101.3452306	100.8061766	100.2728761	99.74523713	99.22316963	98.70658544	98.19539824
231211A00057	12/11/2023	4.58	12/11/2029	120.75456	116.1125189	111.6799026	107.446076	103.4010074	99.53522899	95.83980176	92.30628267	88.92669428
231212A00016	12/12/2023	4.59	12/7/2026	105.9788	104.6703413	103.3918448	102.142279	100.9206604	99.72604981	98.55755037	97.41430468	96.2954928
231212A00018	12/12/2023	4.5	12/6/2027	110.88221	108.5167524	106.2142526	103.9725845	101.789713	99.66368777	97.59263948	95.5747752	93.60837476
231212A00067	12/12/2023	4.82	12/12/2025	101.30209	101.0150592	100.7296677	100.4459024	100.1637493	99.88319457	99.60422457	99.32682578	99.05098486
231213A00049	12/13/2023	4.14	12/13/2028	114.55488	111.0789787	107.7287377	104.4988866	101.3844069	98.38052077	95.48267776	92.68654233	89.98798242
231214A00036	12/14/2023	4.19	12/14/2026	105.55345	104.2320865	102.9389227	101.6730554	100.4336214	99.21979372	98.03078044	96.86582225	95.72419103
231214A00075	12/14/2023	4.49	12/15/2025	101.24479	100.9495413	100.6560305	100.3642406	100.0741564	99.78576292	99.49904523	99.21398866	98.9305787
231215A00004	12/15/2023	4.07	12/15/2028	114.34404	110.8660435	107.5139975	104.2826151	101.1668673	98.16196517	95.26334726	92.46666719	89.76778209
231215A00018	12/15/2023	4.19	12/15/2027	110.28011	107.8967437	105.5774052	103.319959	101.1223556	98.98262863	96.89889048	94.86932887	92.89220303
231218A00052	12/18/2023	4.54	12/18/2025	101.29698	100.9933083	100.691475	100.3914596	100.0932456	99.79681678	99.50215692	99.20925017	98.9180808
231219A00016	12/19/2023	4.27	12/18/2026	105.70948	104.3780108	103.07378	101.7959599	100.5437556	99.31640423	98.11317339	96.93335978	95.77628762
231219A00017	12/19/2023	4.26	1/15/2027	106.05365	104.6494939	103.2708384	101.9170522	100.5875196	99.28164477	97.99885109	96.73858017	95.50029121
231219A00018	12/19/2023	4.25	2/16/2027	106.46262	104.9634078	103.4930479	102.050776	100.6358565	99.24757878	97.88525662	96.54822678	95.23584822
231219A00019	12/19/2023	4.17	12/15/2027	110.23361	107.8507914	105.5319897	103.275069	101.0779802	98.93875717	96.85551268	94.82643471	92.84978279
231219A00020	12/19/2023	4.16	2/1/2028	110.7946	108.2717804	105.8200802	103.4370887	101.1204943	98.86807714	96.67770474	94.54732823	92.4749784
231219A00021	12/19/2023	4.14	3/15/2028	111.28241	108.6286757	106.0528868	103.5522872	101.1242334	98.7661922	96.47573524	94.25053413	92.08835548
231219A00022	12/19/2023	4.13	4/14/2028	111.62209	108.8790104	106.2183498	103.6371121	101.1324315	98.70156594	96.3418905	94.05089164	91.82616164
231219A00023	12/19/2023	4.12	6/15/2028	112.34109	109.4124907	106.5763775	103.8292723	101.1678546	98.58894968	96.08952106	93.66666358	91.31759673
231219A00025	12/19/2023	4.06	12/15/2028	114.31055	110.8331195	107.4816173	104.2507643	101.1355316	98.13113108	95.23300161	92.4367973	89.73837569
231219A00060	12/19/2023	4.22	6/21/2027	108.07805	106.2134811	104.3904476	102.6077465	100.8642159	99.1587361	97.49022804	95.85765126	94.26000233
231220A00028	12/20/2023	4.13	12/20/2027	110.20137	107.805074	105.4734686	103.2044103	100.9958395	98.84577837	96.75232749	94.71366169	92.72802683

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
231220A00030	12/20/2023	4.48	12/22/2025	101.32812	101.0132888	100.7004255	100.3895112	100.0805278	99.77345702	99.46828123	99.16498281	98.86354439
231220A00031	12/20/2023	4.23	12/21/2026	105.69524	104.3570943	103.0454503	101.7595385	100.4986161	99.261969	98.0489106	96.85878036	95.69094259
231220A00032	12/20/2023	4.57	12/19/2025	101.30348	100.9971971	100.692775	100.3902004	100.0894563	99.7905262	99.49339352	99.19804203	98.90445566
231221A00006	12/21/2023	4.14	12/21/2026	105.57605	104.2387357	102.9279082	101.6427989	100.3826654	99.14679392	97.93449834	96.74511842	95.57801881
231221A00008	12/21/2023	3.99	12/21/2028	114.14426	110.652803	107.2883418	104.0455568	100.9193791	97.90498053	94.9977604	92.19333359	89.48751903
231221A00014	12/21/2023	4.14	6/21/2027	107.93157	106.0683748	104.2466947	102.465322	100.7230953	99.01889568	97.35164473	95.72030263	94.12386652
231221A00022	12/21/2023	4.01	12/21/2028	113.11875	109.8909783	106.779632	103.7798309	100.8869286	98.09649844	95.40432196	92.80637765	90.29883082
231221A00039	12/21/2023	3.99	12/21/2028	114.14426	110.652803	107.2883418	104.0455568	100.9193791	97.90498053	94.9977604	92.19333359	89.48751903
231221A00103	12/21/2023	4.3	12/30/2025	101.38956	101.0521211	100.7169268	100.383956	100.0531866	99.72459679	99.39816513	99.07387041	98.75169169
231221A00104	12/21/2023	4.3	12/30/2025	101.38956	101.0521211	100.7169268	100.383956	100.0531866	99.72459679	99.39816513	99.07387041	98.75169169
231222A00004	12/22/2023	4	12/22/2028	114.18929	110.6942734	107.3264666	104.0805394	100.9514154	97.93425841	95.02446016	92.21762794	89.50957324
231222A00039	12/22/2023	4.44	12/22/2025	101.31557	101.0007655	100.6879267	100.3770368	100.0680775	99.76103094	99.45587919	99.15260469	98.85119008
231226A00016	12/26/2023	3.92	12/26/2028	113.89799	110.4585225	107.1458779	103.9546775	100.8797972	97.91635698	95.05970859	92.30542274	89.64927777
231226A00024	12/26/2023	4.03	12/26/2028	114.33617	110.8274696	107.4468123	104.1888364	101.0484341	98.02073857	95.10111108	92.28512893	89.56857423
231226A00043	12/26/2023	4.46	12/26/2025	101.37092	101.0448977	100.720976	100.399137	100.0793607	99.76162723	99.44591699	99.13221068	98.82048923
231226A00095	12/26/2023	4.22	12/28/2026	105.77142	104.4169109	103.0872105	101.7816754	100.4996857	99.24064232	98.00396664	96.78909925	95.59549928
231227A00005	12/27/2023	4.17	12/28/2026	105.70423	104.350196	103.0209622	101.7158858	100.434347	99.17574706	97.93950749	96.7250691	95.5318912
231227A00014	12/27/2023	4.29	12/26/2025	101.33825	101.0120348	100.6879301	100.3659124	100.0459616	99.72805772	99.41218113	99.09831241	98.78643242
231227A00023	12/27/2023	3.98	12/27/2028	114.17854	110.6696889	107.2890034	104.0311139	100.8909079	97.86351365	94.94428761	92.12880219	89.41283464
231227A00027	12/27/2023	4.42	12/26/2025	101.35793	101.031932	100.7080365	100.3862236	100.0664732	99.74876547	99.4330809	99.11940015	98.80770413
231228A00023	12/28/2023	4.4	12/26/2025	101.35143	101.0254491	100.7015667	100.3797668	100.0600294	99.74233458	99.42666286	99.11299488	98.80131158
231228A00024	12/28/2023	4.15	12/28/2026	105.67735	104.32351	102.9944629	101.68957	100.4082115	99.14978895	97.91372383	96.69945704	95.50644797
231228A00025	12/28/2023	4.05	12/28/2027	110.10969	107.692305	105.340688	103.0526809	100.8262069	98.65926968	96.54994945	94.49639982	92.49684444
231215A00026	1/17/2025	3.71	1/15/2027	105.28704	103.8884722	102.5153184	101.1669401	99.84272421	98.54207743	97.26442544	96.00921218	94.77589906
231228A00026	12/28/2023	3.96	12/28/2028	114.12216	110.6114644	107.229093	103.9696772	100.828098	97.79947748	94.87916564	92.06272866	89.34593762
231229A00017	12/29/2023	4.42	12/29/2025	101.3944	101.0599966	100.7277948	100.3977775	100.0699233	99.74421086	99.42061933	99.09912801	98.77971652
231229A00068	12/29/2023	4.42	12/29/2025	101.3944	101.0599966	100.7277948	100.3977775	100.0699233	99.74421086	99.42061933	99.09912801	98.77971652
231229A00070	12/29/2023	4.42	12/29/2025	101.3944	101.0599966	100.7277948	100.3977775	100.0699233	99.74421086	99.42061933	99.09912801	98.77971652
231229A00071	12/29/2023	4.42	12/29/2025	101.3944	101.0599966	100.7277948	100.3977775	100.0699233	99.74421086	99.42061933	99.09912801	98.77971652
240102A00055	1/2/2024	4.23	1/4/2027	105.87355	104.5006475	103.1522044	101.8276201	100.5263149	99.2477277	97.99131486	96.7565497	95.5429218
240103A00004	1/3/2024	4.48	1/5/2026	101.50173	101.1476837	100.7961158	100.4469977	100.100304	99.75600921	99.41408857	99.07451749	98.73727173
240103A00005	1/3/2024	4.28	1/4/2027	105.94171	104.5683226	103.2194	101.8943442	100.5925755	99.31353252	98.05667138	96.82146521	95.60740343
240103A00010	1/3/2024	4.84	1/18/2039	150.88659	135.5886021	122.1206382	110.2487516	99.77026319	90.50942747	82.31372012	75.05065351	68.60504362

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240103A00011	1/3/2024	4.84	1/18/2039	150.88659	135.5886021	122.1206382	110.2487516	99.77026319	90.50942747	82.31372012	75.05065351	68.60504362
240103A00018	1/3/2024	4.28	1/4/2027	105.94171	104.5683226	103.2194	101.8943442	100.5925755	99.31353252	98.05667138	96.82146521	95.60740343
240103A00025	1/3/2024	4.48	1/2/2026	101.46412	101.1184638	100.7751676	100.4342029	100.095546	99.75917365	99.4250627	99.09319039	98.76353428
240103A00026	1/3/2024	4.28	1/4/2027	105.94171	104.5683226	103.2194	101.8943442	100.5925755	99.31353252	98.05667138	96.82146521	95.60740343
240103A00039	6/28/2024	4.11	10/29/2025	100.61473	100.4507005	100.2872028	100.1242391	99.96180688	99.79990351	99.63852643	99.47767308	99.31734092
240103A00042	6/28/2024	4.11	10/29/2025	100.61473	100.4507005	100.2872028	100.1242391	99.96180688	99.79990351	99.63852643	99.47767308	99.31734092
240103A00043	6/28/2024	4.11	10/29/2025	100.61473	100.4507005	100.2872028	100.1242391	99.96180688	99.79990351	99.63852643	99.47767308	99.31734092
240103A00044	6/28/2024	4.11	10/29/2025	100.61473	100.4507005	100.2872028	100.1242391	99.96180688	99.79990351	99.63852643	99.47767308	99.31734092
240103A00045	6/28/2024	4.11	10/29/2025	100.61473	100.4507005	100.2872028	100.1242391	99.96180688	99.79990351	99.63852643	99.47767308	99.31734092
240103A00047	6/28/2024	4.05	1/29/2026	101.62218	101.2012545	100.7838174	100.3698239	99.95923155	99.55199852	99.14808373	98.74744673	98.35004773
240103A00049	6/28/2024	4.05	1/29/2026	101.62218	101.2012545	100.7838174	100.3698239	99.95923155	99.55199852	99.14808373	98.74744673	98.35004773
240103A00050	6/28/2024	4.05	1/29/2026	101.62218	101.2012545	100.7838174	100.3698239	99.95923155	99.55199852	99.14808373	98.74744673	98.35004773
240103A00051	6/28/2024	4.05	1/29/2026	101.62218	101.2012545	100.7838174	100.3698239	99.95923155	99.55199852	99.14808373	98.74744673	98.35004773
240103A00052	6/28/2024	4.05	1/29/2026	101.62218	101.2012545	100.7838174	100.3698239	99.95923155	99.55199852	99.14808373	98.74744673	98.35004773
240103A00054	6/28/2024	3.94	6/29/2026	103.20566	102.3604516	101.5290994	100.7112636	99.90661626	99.11484007	98.33562783	97.56868205	96.81371455
240103A00056	6/28/2024	3.94	6/29/2026	103.20566	102.3604516	101.5290994	100.7112636	99.90661626	99.11484007	98.33562783	97.56868205	96.81371455
240103A00057	6/28/2024	3.94	6/29/2026	103.20566	102.3604516	101.5290994	100.7112636	99.90661626	99.11484007	98.33562783	97.56868205	96.81371455
240103A00058	6/28/2024	3.94	6/29/2026	103.20566	102.3604516	101.5290994	100.7112636	99.90661626	99.11484007	98.33562783	97.56868205	96.81371455
240103A00059	6/28/2024	3.94	6/29/2026	103.20566	102.3604516	101.5290994	100.7112636	99.90661626	99.11484007	98.33562783	97.56868205	96.81371455
240104A00070	12/13/2024	3.83	3/5/2027	106.05109	104.5051637	102.9898026	101.5041719	100.0474694	98.61892162	97.21778216	95.8433305	94.49487098
240105A00017	1/5/2024	4.29	1/5/2027	105.96808	104.5917821	103.2400442	101.9122655	100.607863	99.32627205	98.0669459	96.82935478	95.61298532
240108A00022	1/8/2024	4.46	1/8/2026	101.53212	101.1696965	100.8098686	100.4526102	100.0978938	99.7456921	99.39597843	99.04872635	98.70390983
240108A00023	1/8/2024	4.27	1/8/2027	105.97881	104.5942635	103.2345597	101.8990849	100.5872462	99.2984699	98.03220037	96.78789937	95.56504542
240108A00038	1/8/2024	4.13	1/8/2029	114.82624	111.2728483	107.8502885	104.5530499	101.3758873	98.31380303	95.3620335	92.51603719	89.7714831
240108A00040	1/8/2024	4.13	1/8/2029	114.82624	111.2728483	107.8502885	104.5530499	101.3758873	98.31380303	95.3620335	92.51603719	89.7714831
240108A00041	1/9/2024	4.13	1/9/2029	114.83792	111.2815336	107.8561831	104.5563467	101.3767675	98.3124365	95.35857967	92.51064569	89.76429434
240109A00025	1/9/2024	4.47	1/9/2026	101.54824	101.1830067	100.8204115	100.4604261	100.1030222	99.74817206	99.39584818	99.04602358	98.69867161
240109A00042	1/9/2024	3.99	1/9/2029	114.61363	111.0547576	107.6271876	104.3253865	101.1440807	98.07824593	95.12309361	92.27405886	89.52678878
240109A00048	1/9/2024	4.12	1/9/2029	114.80373	111.2479332	107.8231488	104.5238631	101.3448197	98.28101012	95.32766083	92.48022101	89.73435089
240110A00001	1/10/2024	4.42	1/9/2026	101.53006	101.164864	100.8023089	100.4423633	100.084999	99.73018818	99.37790349	99.02811787	98.68080468
240110A00010	1/10/2024	4.42	1/12/2026	101.56717	101.1935738	100.8227394	100.4546361	100.0892336	99.72650217	99.36641245	99.00893552	98.65404288
240110A00021	1/10/2024	4.13	1/10/2028	110.4554	107.997896	105.6081265	103.283854	101.0229242	98.82326649	96.68288961	94.5998786	92.57239124
240111A00025	1/11/2024	4.19	1/11/2027	105.90624	104.5140497	103.1469717	101.8043834	100.4856828	99.19028689	97.91763152	96.66717013	95.43837332

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240111A00031	1/11/2024	4.19	1/11/2027	105.90624	104.5140497	103.1469717	101.8043834	100.4856828	99.19028689	97.91763152	96.66717013	95.43837332
240111A00046	12/13/2024	3.68	3/19/2027	105.98266	104.3990024	102.8470785	101.3260007	99.83491874	98.37301332	96.93949455	95.53360072	94.154597
240112A00022	1/12/2024	4.24	1/12/2026	101.50021	101.1267673	100.7560828	100.3881286	100.0228744	99.66029051	99.30034755	98.94301659	98.58826915
240112A00036	1/12/2024	4.07	1/12/2027	105.75244	104.3586432	102.9900333	101.6459845	100.3258921	99.02917056	97.75525317	96.503591	95.27365236
240112A00040	1/12/2024	4.24	1/12/2026	101.50021	101.1267673	100.7560828	100.3881286	100.0228744	99.66029051	99.30034755	98.94301659	98.58826915
240112A00044	1/12/2024	4.24	1/12/2026	101.50021	101.1267673	100.7560828	100.3881286	100.0228744	99.66029051	99.30034755	98.94301659	98.58826915
240112A00052	1/12/2024	4.07	1/12/2027	105.75244	104.3586432	102.9900333	101.6459845	100.3258921	99.02917056	97.75525317	96.503591	95.27365236
240117A00021	1/17/2024	4.06	1/17/2029	114.94683	111.3598096	107.9058637	104.5793506	101.3748963	98.28738234	95.31193212	92.44389805	89.67884964
240117A00023	1/17/2024	4.13	1/19/2027	106.02187	104.6054354	103.2149293	101.8497035	100.5091275	99.19259129	97.89950462	96.62929612	95.38141258
240117A00054	1/17/2024	4.22	1/18/2028	110.76949	108.2859946	105.8715075	103.5237218	101.2404254	99.0194929	96.85888122	94.7566262	92.7108389
240118A00020	1/18/2024	4.25	2/18/2027	106.49023	104.9847581	103.508365	102.060279	100.6397559	99.24607708	97.87854863	96.53649999	95.21928309
240119A00007	1/19/2024	4.23	1/19/2029	115.29936	111.7070674	108.2480382	104.9166197	101.707429	98.61533908	95.63546537	92.76315275	89.99396363
240119A00024	1/19/2024	4.49	1/20/2026	101.69354	101.2974435	100.9044492	100.5145172	100.1276117	99.74369734	99.36273945	98.98470385	98.60955686
240119A00028	1/19/2024	4.48	1/13/2026	101.60184	101.2253943	100.8517511	100.48088	100.1127502	99.74733106	99.38459272	99.02450556	98.66704047
240119A00029	1/19/2024	4.3	1/13/2027	106.08387	104.6849449	103.3113372	101.9624213	100.637588	99.33624765	98.05782953	96.80178086	95.56756628
240119A00044	1/23/2024	4.23	1/23/2029	115.34721	111.7428648	108.2726181	104.9307632	101.7118687	98.6107621	95.62251602	92.74243543	89.96604531
240122A00006	1/22/2024	4.25	1/22/2027	106.12812	104.7043207	103.3066973	101.9345906	100.5873618	99.26439256	97.96508483	96.68885968	95.43515668
240122A00050	1/22/2024	4.25	1/22/2027	106.12812	104.7043207	103.3066973	101.9345906	100.5873618	99.26439256	97.96508483	96.68885968	95.43515668
240123A00037	1/23/2024	4.2	1/17/2029	115.17222	111.5877154	108.1360126	104.8114837	101.6087716	98.52277383	95.54862835	92.68170146	89.91757564
240123A00057	1/23/2024	4.48	1/23/2026	101.7272	101.3226949	100.9214137	100.5233214	100.12838	99.73655201	99.34780068	98.96208976	98.57938357
240125A00007	1/25/2024	4.27	1/25/2027	106.19445	104.7619639	103.3559539	101.9757449	100.6206875	99.29015366	97.98353582	96.70024609	95.43971538
240125A00040	1/25/2024	4.24	12/15/2026	105.63152	104.3073623	103.011169	101.7420551	100.4991743	99.28171542	98.08890128	96.91998638	95.77425549
240125A00068	1/25/2024	4.11	1/25/2028	110.76559	108.259059	105.8227462	103.4542907	101.151424	98.91196685	96.73382531	94.61498699	92.55351724
240125A00069	1/25/2024	4.11	1/25/2028	110.76559	108.259059	105.8227462	103.4542907	101.151424	98.91196685	96.73382531	94.61498699	92.55351724
240126A00031	1/26/2024	4.31	1/26/2026	101.72366	101.3104832	100.9006738	100.4941876	100.0909841	99.6910236	99.29426696	98.90067574	98.51021209
240126A00032	1/26/2024	4.31	1/26/2026	101.72366	101.3104832	100.9006738	100.4941876	100.0909841	99.6910236	99.29426696	98.90067574	98.51021209
240130A00034	1/30/2024	4.43	10/30/2025	100.69018	100.5231513	100.356681	100.1907627	100.0253937	99.86057127	99.69629265	99.5325552	99.36935624
240130A00044	1/30/2024	4.14	1/30/2029	115.11801	111.4979768	108.0133514	104.6583455	101.4274469	98.31540792	95.31723071	92.4281544	89.64364234
240130A00047	1/30/2024	4.01	1/30/2029	114.92493	111.3017466	107.814277	104.4567076	101.2235083	98.10941449	95.10941272	92.21872726	89.43280766
240130A00057	1/30/2024	4.15	1/29/2027	106.17553	104.7306162	103.3126113	101.920828	100.5546014	99.21328902	97.89626913	96.60294045	95.33272106
240130A00059	1/30/2024	4.33	1/30/2026	101.78113	101.3566817	100.9357731	100.5183609	100.1044016	99.69385242	99.28667145	98.88281732	98.48224936
240130A00068	1/30/2024	4.17	1/30/2029	115.22232	111.6004813	108.1141004	104.7573875	101.5248287	98.41117456	95.41142576	92.52081986	89.73481876
240130A00089	1/30/2024	4.17	1/30/2029	115.22232	111.6004813	108.1141004	104.7573875	101.5248287	98.41117456	95.41142576	92.52081986	89.73481876

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240131A00013	1/31/2024	4.13	2/1/2027	106.08266	104.6316183	103.2077198	101.8102683	100.4385903	99.09203514	97.76997324	96.47179576	95.19691357
240131A00014	1/31/2024	4.04	1/31/2029	114.78174	111.1647263	107.6831621	104.3312518	101.1034768	97.99458321	94.99956794	92.113665	89.33233315
240131A00015	1/31/2024	4.02	1/31/2029	109.68137	107.3078308	105.0102929	102.7857475	100.6313261	98.54429186	96.52203243	94.56205357	92.66197312
240131A00022	3/1/2024	4.13	3/1/2027	106.45912	104.9208978	103.4129653	101.9345018	100.4847175	99.06285032	97.66816471	96.29995049	94.95752176
240131A00033	1/31/2024	4.18	1/30/2026	101.71783	101.2935381	100.8727882	100.4555338	100.0417312	99.63133794	99.22431187	98.8206117	98.42019678
240131A00034	1/31/2024	4	1/29/2027	105.9605	104.5171966	103.1007766	101.710551	100.3458557	99.00604873	97.69050931	96.39863671	95.12984967
240131A00039	1/31/2024	4.22	7/31/2026	103.8232	102.8860587	101.9658612	101.0621531	100.174494	99.30245864	98.44563693	97.60363295	96.77606442
240131A00076	1/31/2024	4.35	1/30/2026	101.76011	101.3360554	100.915538	100.4985096	100.0849268	99.67474718	99.26792877	98.86443044	98.46421166
240131A00080	1/31/2024	4.16	1/29/2027	106.08759	104.6449793	103.2292159	101.8396097	100.4754982	99.13624075	97.82121783	96.52982995	95.26149701
240201A00003	2/1/2024	4.17	2/2/2026	101.74899	101.3162917	100.887278	100.4618992	100.0401091	99.62186246	99.20711474	98.79582212	98.38794153
240201A00027	2/1/2024	3.83	2/1/2029	114.3215	110.7028821	107.2201153	103.8673716	100.6391051	97.53003673	94.53513953	91.64962549	88.86893278
240201A00038	2/1/2024	4.3	2/2/2026	101.77485	101.3424425	100.9137093	100.4886042	100.067081	99.64909472	99.23460092	98.82355595	98.41591689
240201A00040	2/1/2024	4.08	2/1/2030	119.14324	114.3883942	109.8548926	105.5312487	101.406632	97.4708271	93.71419539	90.12763965	86.70257075
240201A00042	2/1/2024	4.24	2/1/2033	129.90994	121.6892616	114.0665091	106.9947166	100.4308451	94.335436	88.67229539	83.40820882	78.51268155
240201A00043	2/1/2024	4.27	2/1/2034	132.87373	123.5019314	114.890471	106.9730462	99.68947322	92.98509546	86.81024935	81.11978448	75.87263195
240201A00056	2/1/2024	4.3	2/2/2026	101.77485	101.3424425	100.9137093	100.4886042	100.067081	99.64909472	99.23460092	98.82355595	98.41591689
240201A00065	2/1/2024	4.33	2/2/2026	101.78776	101.3553177	100.9265517	100.5014139	100.0798583	99.66183978	99.24731395	98.83623714	98.42856642
240202A00016	2/2/2024	4.25	2/2/2027	106.2694	104.813931	103.3857437	101.9841319	100.6084179	99.25794607	97.9320829	96.63021543	95.35175064
240202A00017	2/2/2024	4.23	8/3/2026	103.93584	102.9888421	102.0591402	101.1462606	100.2497491	99.36916807	98.50409506	97.65412256	96.81885724
240202A00029	2/2/2024	4.15	2/2/2029	115.19012	111.5598451	108.0656708	104.701766	101.4625778	98.34282042	95.33746045	92.44170366	89.65098219
240202A00030	2/2/2024	4.32	2/3/2031	124.20223	118.2592978	112.6457799	107.3416109	102.3280529	97.58759859	93.10388393	88.86160818	84.84645933
240206A00017	2/6/2024	4.33	8/6/2027	108.89131	106.8912943	104.9385153	103.0315687	101.1691008	99.34980686	97.57242932	95.83575546	94.13861559
240207A00006	2/7/2024	4.06	2/7/2029	115.20024	111.5477451	108.0329012	104.6497751	101.3927232	98.25637503	95.2356178	92.325583	89.52163322
240207A00022	2/7/2024	4.25	2/7/2028	111.09394	108.5496274	106.0774939	103.675078	101.3400185	99.07004818	96.86299008	94.71675307	92.62932795
240207A00025	2/8/2024	4.2	1/8/2029	115.06532	111.5078617	108.0813453	104.7802579	101.5993506	98.53362198	95.57830498	92.72885474	89.98093706
240208A00053	2/8/2024	4.58	2/9/2026	101.98408	101.5317282	101.0833952	100.6390323	100.1985866	99.76200645	99.32924097	98.90024018	98.47495499
240208A00055	2/8/2024	4.37	2/8/2027	106.52747	105.0519352	103.6043735	102.1840538	100.790273	99.42235186	98.0796338	96.76148403	95.46728865
240209A00007	2/9/2024	4.5	12/9/2025	101.19275	100.9140172	100.6368343	100.3611865	100.0870611	99.81444534	99.54332663	99.2736926	99.00553096
240209A00019	2/9/2024	4.39	2/9/2027	106.57087	105.0919857	103.6411875	102.2177431	100.8209453	99.45011062	98.10457874	96.78371118	95.48689051
240209A00020	2/9/2024	4.58	2/9/2026	101.98408	101.5317282	101.0833952	100.6390323	100.1985866	99.76200645	99.32924097	98.90024018	98.47495499
240212A00029	2/12/2024	4.58	2/12/2026	102.02212	101.5613403	101.1047319	100.6522416	100.2038136	99.75939335	99.3189271	98.8823621	98.44964654
240213A00022	2/13/2024	4.6	8/13/2026	104.35035	103.3742599	102.4165029	101.4765611	100.5539399	99.64816279	98.75877063	97.88532089	97.02738685
240214A00001	2/14/2024	4.79	11/10/2025	100.87921	100.681604	100.4847819	100.2887415	100.093478	99.89898668	99.70526303	99.51230239	99.3201002

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240214A00007	2/14/2024	4.7	2/17/2026	102.14236	101.6673657	101.1967976	100.7305987	100.268708	99.81106587	99.35761379	98.90829423	98.46305074
240214A00019	2/15/2024	4.41	1/26/2029	116.00694	112.3827883	108.8936577	105.533795	102.2977216	99.18022088	96.17632407	93.28129695	90.49062765
240215A00026	2/15/2024	4.48	2/10/2027	106.71702	105.233993	103.7791846	102.3518554	100.9512934	99.57681088	98.22774329	96.90344813	95.60330411
240215A00033	2/15/2024	4.35	2/16/2027	106.71733	105.2144096	103.7404311	102.2946318	100.8762731	99.48464147	98.11904795	96.77882671	95.46333416
240215A00046	4/1/2024	4.49	4/1/2027	107.43307	105.80168	104.2033574	102.6371677	101.1022082	99.59760991	98.12253579	96.67617931	95.25776305
240216A00012	2/16/2024	4.53	8/16/2027	109.41931	107.3863214	105.4019492	103.4647257	101.5732398	99.72613273	97.92209504	96.15986488	94.43822579
240220A00031	2/20/2024	4.68	2/20/2026	102.1718	101.6883829	101.2095498	100.7352373	100.2653817	99.79992017	99.33879114	98.88193421	98.4292901
240221A00014	2/21/2024	4.53	2/22/2027	106.96534	105.444057	103.952368	102.4894821	101.0546365	99.64709505	98.26614687	96.91110522	95.5813066
240221A00015	2/21/2024	4.48	2/22/2028	111.86813	109.2694948	106.7457355	104.2942566	101.9125691	99.5982855	97.3491148	95.16285798	93.03740371
240226A00010	2/26/2024	4.53	7/15/2027	108.98089	107.0407226	105.1450904	103.2927084	101.482335	99.71277221	97.98286381	96.29149377	94.63758449
240226A00025	2/26/2024	4.43	2/26/2027	106.98137	105.4460362	103.9408117	102.4648891	101.0174864	99.59784884	98.20524807	96.83898059	95.4983669
240229A00026	2/29/2024	4.74	2/27/2026	102.29249	101.7892555	101.2909738	100.7975732	100.3089822	99.82513065	99.34594991	98.87137253	98.4013324
240229A00027	2/29/2024	4.54	2/26/2027	107.0388	105.5048097	104.0008756	102.5261908	101.0799751	99.66147586	98.26996645	96.90474514	95.56513405
240301A00023	3/1/2024	4.17	3/1/2029	115.87301	112.1404937	108.5510216	105.0983161	101.7764147	98.57964857	95.50262614	92.54021822	89.68754353
240301A00024	3/1/2024	4.17	3/1/2029	115.87301	112.1404937	108.5510216	105.0983161	101.7764147	98.57964857	95.50262614	92.54021822	89.68754353
240301A00025	3/1/2024	4.45	3/1/2027	106.94522	105.4031533	103.891443	102.4092675	100.9558351	99.53038205	98.13217113	96.76049056	95.41465291
240305A00008	3/5/2024	4.84	9/5/2025	100.066	100.0520838	100.0381831	100.0242958	100.0104216	99.99656073	99.98271302	99.96887849	99.95505712
240305A00010	3/5/2024	4.66	3/5/2026	102.32882	101.8088378	101.2941501	100.7846767	100.2803384	99.78105784	99.28675901	98.7973675	98.31281038
240305A00011	3/5/2024	4.55	9/4/2026	104.59773	103.5587513	102.5404834	101.5423098	100.5636391	99.60390291	98.66255473	97.739069	96.83294001
240306A00006	3/6/2024	4.65	9/5/2025	100.06414	100.0502231	100.0363151	100.0224204	100.0085391	99.99467104	99.98081632	99.96697487	99.95314667
240306A00010	3/6/2024	4.22	3/6/2029	115.84456	112.1052332	108.5094729	105.0509667	101.7237185	98.52202843	95.4404761	92.47390546	89.61741029
240307A00022	3/7/2024	4.09	3/7/2029	115.65933	111.9136477	108.3120496	104.8481939	101.516053	98.30989758	95.22427971	92.25401764	89.39418109
240308A00005	3/8/2024	4.03	3/8/2029	115.45615	111.7112628	108.110548	104.6476565	101.316553	98.11150058	95.02704485	92.0579978	89.19942347
240308A00009	3/8/2024	4.74	9/8/2025	100.09986	100.0776033	100.0553678	100.0331553	100.0109659	99.98879941	99.96665589	99.94453527	99.92243751
240308A00011	3/8/2024	4.54	3/9/2026	102.31625	101.7852123	101.2597037	100.7396363	100.2249257	99.71548932	99.21124608	98.7121167	98.21802349
240308A00031	3/8/2024	4.46	9/16/2026	104.67019	103.5971473	102.5461854	101.5166269	100.5078217	99.5191456	98.54999957	97.59980796	96.66801762
240311A00006	3/11/2024	4.6	3/11/2026	102.37292	101.8361634	101.3050532	100.7795	100.2594167	99.74471803	99.23532036	98.73114191	98.23210256
240311A00009	3/11/2024	4.38	3/11/2027	106.97342	105.4036788	103.86513	102.3569177	100.8782159	99.42822805	98.00618593	96.6113483	95.24299974
240311A00012	3/11/2024	4.8	9/11/2025	100.13709	100.1064872	100.0759167	100.0453804	100.0148783	99.98441031	99.95397639	99.92357646	99.89321047
240312A00009	3/12/2024	4.68	3/12/2026	102.42829	101.8885916	101.3545971	100.8262183	100.3033667	99.78595579	99.27390064	98.76711818	98.26552704
240312A00013	3/12/2024	4.68	3/12/2026	102.42829	101.8885916	101.3545971	100.8262183	100.3033667	99.78595579	99.27390064	98.76711818	98.26552704
240312A00015	3/12/2024	4.13	3/12/2029	115.86282	112.0993614	108.4810547	105.001494	101.6545904	98.43455718	95.33589294	92.35336589	89.481999
240312A00019	3/12/2024	4.87	9/12/2025	100.15142	100.1180351	100.0846852	100.0513736	100.0181003	99.98486501	99.95166782	99.91850863	99.88538737

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240312A00020	3/12/2024	4.82	11/3/2025	100.79491	100.6167914	100.4393099	100.2624581	100.0862323	99.9106294	99.735646	99.56127883	99.38752462
240312A00028	3/12/2024	4.87	9/12/2025	100.15142	100.1180351	100.0846852	100.0513736	100.0181003	99.98486501	99.95166782	99.91850863	99.88538737
240313A00007	3/13/2024	4.88	9/12/2025	100.15176	100.1183753	100.0850251	100.0517132	100.0184396	99.98520402	99.95200655	99.91884708	99.88572553
240313A00023	3/13/2024	4.68	3/13/2026	102.44103	101.8985115	101.3617613	100.8306848	100.3051922	99.78519539	99.27060832	98.7613466	98.25732766
240314A00012	3/14/2024	4.62	3/13/2026	102.44668	101.9036825	101.3664635	100.8349291	100.308989	99.7885551	99.27354088	98.76386177	98.25943491
240314A00013	3/14/2024	4.62	3/13/2026	102.44668	101.9036825	101.3664635	100.8349291	100.308989	99.7885551	99.27354088	98.76386177	98.25943491
240315A00015	3/15/2024	4.8	3/16/2026	102.54488	101.9937096	101.4484861	100.9091127	100.3754952	99.84754168	99.32516197	98.8082679	98.29677313
240318A00014	3/18/2024	4.67	3/18/2026	102.53811	101.9809293	101.4298241	100.8846966	100.3454498	99.81198841	99.28421956	98.76205217	98.24539715
240318A00015	3/18/2024	4.47	2/20/2029	116.55204	112.8420717	109.273008	105.8387246	102.5333953	99.35147806	96.28769995	93.33704211	90.49472632
240318A00020	3/18/2024	4.48	3/19/2029	115.59066	112.0961557	108.7348712	105.5008894	102.3885933	99.39264937	96.50799116	93.72980416	91.05351168
240319A00003	3/19/2024	4.65	3/19/2026	102.53991	101.9799361	101.4261036	100.8783076	100.3364494	99.80043271	99.27016308	98.74554819	98.22649768
240319A00004	3/19/2024	4.47	3/19/2027	107.33543	105.7388503	104.174267	102.6407849	101.1375461	99.6637239	98.21852139	96.80117012	95.41092879
240319A00012	3/19/2024	4.77	4/14/2026	102.90364	102.270719	101.6456062	101.0281601	100.4182402	99.81570895	99.22043246	98.63227995	98.05112377
240319A00014	3/19/2024	4.44	3/19/2029	116.79599	113.002893	109.3563558	105.8498916	102.4773372	99.23283619	96.11082209	93.10600205	90.21334179
240319A00021	3/19/2024	4.83	9/19/2025	100.23797	100.1850796	100.1322591	100.0795097	100.0268314	99.9742241	99.92168753	99.86922158	99.81682611
240320A00010	3/20/2024	4.77	3/20/2036	143.38133	131.332657	120.4643506	110.6524979	101.7868708	93.76934671	86.51252	79.93847864	73.97772643
240321A00007	3/21/2024	4.7	3/23/2026	102.57972	102.0089874	101.4446191	100.8865128	100.3345644	99.78867217	99.24873669	98.71466062	98.18634877
240321A00019	3/21/2024	4.88	9/22/2025	100.27344	100.2122416	100.1511324	100.0901102	100.0291749	99.96832619	99.90756397	99.84688804	99.78629822
240322A00007	3/22/2024	4.67	3/23/2026	102.56274	101.9920538	101.4277398	100.8696874	100.3177924	99.77195324	99.23207039	98.69804655	98.16978651
240322A00008	3/22/2024	4.65	4/22/2026	102.92878	102.2735401	101.6266633	100.9879913	100.3573686	99.73464331	99.11966754	98.51229701	97.91239102
240322A00013	3/22/2024	4.18	3/22/2029	116.16445	112.3672307	108.7172667	105.2080181	101.8332738	98.58713333	95.46398882	92.45850914	89.56562443
240322A00014	3/22/2024	4.51	5/22/2026	103.25911	102.5185767	101.7886955	101.0692372	100.3599793	99.6607054	98.97120552	98.29127534	97.62071626
240322A00015	3/22/2024	4.65	11/21/2025	101.004	100.7755438	100.5481284	100.3217516	100.0964062	99.87208512	99.64878131	99.4264878	99.20519768
240322A00018	3/22/2024	4.34	3/22/2027	107.17197	105.5684596	103.9971728	102.4572107	100.9477054	99.46782072	98.01675074	96.59371852	95.1979747
240322A00029	3/22/2024	4.36	3/22/2027	107.20354	105.5997695	104.0282285	102.4880167	100.9782661	99.49814027	98.04683331	96.62356812	95.22759524
240322A00032	3/22/2024	4.67	3/23/2026	102.56274	101.9920538	101.4277398	100.8696874	100.3177924	99.77195324	99.23207039	98.69804655	98.16978651
240325A00023	3/25/2024	4.71	9/25/2025	100.30296	100.2333864	100.1639143	100.0945474	100.0252856	99.95612838	99.8870757	99.81812727	99.74928285
240325A00024	3/25/2024	4.71	9/25/2025	100.30296	100.2333864	100.1639143	100.0945474	100.0252856	99.95612838	99.8870757	99.81812727	99.74928285
240325A00027	4/1/2024	4.91	10/1/2025	100.38595	100.2997514	100.2137008	100.1277987	100.0420448	99.95643878	99.87098017	99.78566862	99.70050377
240325A00028	4/1/2024	4.91	10/1/2025	100.38595	100.2997514	100.2137008	100.1277987	100.0420448	99.95643878	99.87098017	99.78566862	99.70050377
240325A00040	3/25/2024	4.46	4/30/2027	107.79439	106.0774206	104.3963989	102.750261	101.1379842	99.55858623	98.01112273	96.49468558	95.00840112
240325A00060	3/25/2024	4.57	3/25/2026	102.57122	101.9944492	101.4241836	100.8603104	100.3027223	99.75131454	99.20598456	98.66663208	98.13315903
240326A00013	3/26/2024	4.91	9/26/2025	100.32428	100.2519623	100.1797559	100.1076604	100.0356754	99.96380071	99.8920361	99.82038131	99.74883609

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240326A00042	3/26/2024	4.71	3/26/2026	102.62384	102.0446153	101.4719439	100.905714	100.3458172	99.79214755	99.2446014	98.70307743	98.16747655
240327A00008	3/27/2024	4.72	10/1/2025	100.37562	100.2893681	100.2032668	100.1173148	100.0315117	99.94585716	99.86035073	99.77499206	99.68978076
240327A00014	3/27/2024	4.88	9/24/2025	100.29777	100.2310168	100.1643593	100.0978005	100.03134	99.96497778	99.89871348	99.83254693	99.76647792
240327A00016	3/27/2024	4.56	3/27/2026	102.59069	102.0082868	101.4325121	100.8632499	100.3003901	99.74382477	99.19344876	98.64915906	98.11085497
240327A00025	3/27/2024	4.35	3/26/2027	107.24208	105.6269583	104.0444177	102.4935426	100.9734504	99.48329111	98.02224589	96.58952532	95.18436824
240327A00028	3/27/2024	4.4	3/27/2028	112.1069	109.4088557	106.7906843	104.2495334	101.7826686	99.38747144	97.06143295	94.80214868	92.60731348
240328A00017	3/28/2024	4.6	3/30/2026	102.6519	102.0609455	101.4767987	100.8993466	100.3284744	99.76407009	99.20602419	98.65422956	98.10858155
240328A00018	3/28/2024	4.39	3/29/2027	107.34675	105.7224759	104.1310644	102.571583	101.0431381	99.54486895	98.07594668	96.63557229	95.22297558
240328A00022	3/28/2024	4.3	3/28/2028	112.05083	109.3465969	106.7225738	104.175883	101.7037745	99.30361438	96.97287973	94.70915263	92.51011527
240328A00023	3/28/2024	4.22	3/28/2029	116.38319	112.564983	108.8953204	105.3675826	101.9754839	98.71305375	95.57461937	92.5547888	89.64843532
240328A00026	3/28/2024	4.6	3/27/2026	102.61379	102.0313114	101.4554614	100.8861246	100.3231906	99.76655184	99.21610293	98.67174091	98.13336508
240328A00027	3/28/2024	4.39	3/29/2027	107.34675	105.7224759	104.1310644	102.571583	101.0431381	99.54486895	98.07594668	96.63557229	95.22297558
240328A00031	3/28/2024	4.92	9/24/2025	100.30045	100.2336908	100.1670311	100.10047	100.0340072	99.96764269	99.90137612	99.83520731	99.76913603
240328A00052	3/28/2024	4.34	3/28/2029	116.54653	112.7324005	109.0664563	105.5421049	102.1530819	98.89343705	95.75751624	92.73994507	89.83561326
240328A00061	3/28/2024	4.35	3/28/2029	116.5829	112.7681087	109.1015263	105.5765548	102.1869294	98.92669902	95.79020902	92.7720844	89.86721431
240328A00063	3/28/2024	4.47	3/28/2030	121.58113	116.6067326	111.8703104	107.3591534	103.0612991	98.96548615	95.0611089	91.33817569	87.78726989
240328A00064	3/28/2024	4.48	3/28/2031	125.63987	119.498697	113.7056025	108.238895	103.078352	98.20511108	93.60157147	89.25130281	85.13896133
240328A00065	7/16/2024	4.46	7/16/2032	129.86823	122.2185225	115.0886081	108.4401887	102.2379834	96.44947463	91.04467802	85.99593327	81.27771276
240401A00003	4/1/2024	4.81	10/1/2025	100.38337	100.2971093	100.2110016	100.1250432	100.0392336	99.95357267	99.86805985	99.7826948	99.69747712
240401A00004	4/1/2024	4.81	10/1/2025	100.38337	100.2971093	100.2110016	100.1250432	100.0392336	99.95357267	99.86805985	99.7826948	99.69747712
240401A00006	4/1/2024	4.32	4/2/2029	116.05527	112.3842618	108.8561887	105.4646034	102.2033905	99.06674746	96.0491665	93.14541751	90.35053234
240401A00009	4/1/2024	4.79	4/1/2026	102.74795	102.1516227	101.5622298	100.9796466	100.4037555	99.83444184	99.27159317	98.7150998	98.16485445
240401A00016	4/1/2024	4.47	4/1/2027	107.51677	105.8827181	104.2818193	102.7131333	101.1757546	99.6688112	98.19146354	96.74290254	95.32234836
240401A00024	4/1/2024	4.97	10/1/2025	100.39112	100.3049119	100.218857	100.1329506	100.0471925	99.96158217	99.8761193	99.7908035	99.7056344
240401A00027	4/1/2024	4.82	4/1/2026	102.76568	102.1693009	101.5798489	100.9972071	100.421258	99.85188668	99.28898086	98.73243081	98.18212925
240402A00015	4/2/2024	4.61	11/15/2027	110.84513	108.5398909	106.2947534	104.1077105	101.9768358	99.90028312	97.87628306	95.90313847	93.97922107
240402A00044	4/2/2024	4.83	4/2/2026	102.78465	102.1854313	101.5932107	101.0078656	100.4292766	99.85732713	99.29190335	98.73289389	98.18018997
240403A00002	4/3/2024	5.01	10/3/2025	100.42082	100.3290602	100.237471	100.1460539	100.0548084	99.96373415	99.87283055	99.78209713	99.6915334
240403A00006	4/3/2024	4.71	4/3/2026	102.76812	102.1656593	101.5702779	100.981849	100.4002515	99.82536654	99.25707836	98.69527371	98.13984196
240403A00008	4/3/2024	4.67	4/2/2027	107.73674	106.0999742	104.4964211	102.9251357	101.3852101	99.87577046	98.39597501	96.94501279	95.52210216
240403A00010	4/3/2024	4.54	4/5/2027	107.68741	106.0405493	104.427249	102.8465515	101.2975346	99.77931073	98.29102521	96.83185485	95.40100642
240403A00013	4/3/2024	4.58	4/17/2028	112.86121	110.0928289	107.4077067	104.8028152	102.2752535	99.82224622	97.44113719	95.12938308	92.88454795
240403A00018	4/3/2024	4.67	4/5/2027	107.78084	106.1351751	104.5230181	102.9434086	101.3954268	99.8781872	98.39083733	96.93255587	95.50255142

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240403A00022	4/3/2024	4.53	4/3/2029	117.31593	113.4705726	109.775022	106.2225829	102.8069034	99.52195105	96.361995	93.32158899	90.39555542
240404A00004	4/4/2024	4.45	4/4/2029	117.03664	113.1934382	109.5000964	105.9499188	102.5365457	99.25393792	96.0963584	93.05835512	90.13474529
240404A00012	4/4/2024	4.46	4/4/2029	117.0732	113.2293354	109.5353487	105.9845446	102.5705629	99.28736374	96.12920935	93.09064716	90.1664938
240404A00014	4/4/2024	4.78	4/6/2026	102.80661	102.1962215	101.5931032	100.9971212	100.4081491	99.82606361	99.25074425	98.68207332	98.11993586
240404A00015	4/4/2024	4.6	4/5/2027	107.66768	106.0229679	104.4117421	102.8330473	101.2859642	99.76960774	98.28312576	96.82569741	95.39653166
240404A00019	6/3/2024	4.55	6/1/2027	108.3959	106.585266	104.8139768	103.0808196	101.3846327	99.72430248	98.09876008	96.50697958	94.94797561
240404A00020	6/3/2024	4.55	6/1/2027	108.3959	106.585266	104.8139768	103.0808196	101.3846327	99.72430248	98.09876008	96.50697958	94.94797561
240404A00021	4/4/2024	4.57	4/1/2031	123.37547	117.8942958	112.7149922	107.8189221	103.1887073	98.80813858	94.66208991	90.7364402	87.01800069
240404A00022	4/4/2024	4.78	4/6/2026	102.80661	102.1962215	101.5931032	100.9971212	100.4081491	99.82606361	99.25074425	98.68207332	98.11993586
240404A00023	4/4/2024	4.51	4/24/2028	112.76785	109.9804613	107.2773912	104.655546	102.1119706	99.64383878	97.24844622	94.92320467	92.66563586
240405A00005	4/5/2024	4.81	4/6/2026	102.82476	102.2143135	101.6111336	101.0150905	100.426058	99.84391248	99.26853361	98.69980366	98.13760766
240405A00006	4/5/2024	4.63	4/5/2027	107.71618	106.0710567	104.4594318	102.880345	101.3328767	99.81614179	98.32928786	96.87149389	95.4419687
240405A00017	4/5/2024	4.5	4/5/2027	107.62271	105.9763936	104.3636262	102.7834522	101.2349496	99.71723099	98.22944209	96.77075989	95.34039137
240408A00015	4/8/2024	4.54	4/5/2029	117.37893	113.5265831	109.8244848	106.265918	102.8445041	99.55418588	96.38920941	93.34410682	90.4136804
240408A00018	4/8/2024	4.87	10/6/2025	100.45319	100.3530238	100.2530701	100.153326	100.0537908	99.95446367	99.85534403	99.75643119	99.65772444
240408A00020	4/8/2024	4.86	4/8/2026	102.88129	102.2650995	101.6563131	101.0547961	100.4604186	99.87305389	99.29257805	98.71887017	98.15181214
240408A00025	4/8/2024	5.03	10/8/2025	100.48859	100.3829235	100.2774951	100.1723005	100.0673388	99.96260925	99.85811104	99.75384335	99.64980539
240408A00026	4/8/2024	4.86	4/8/2026	102.88129	102.2650995	101.6563131	101.0547961	100.4604186	99.87305389	99.29257805	98.71887017	98.15181214
240409A00021	4/9/2024	4.83	4/9/2026	102.87602	102.2570747	101.6455985	101.0414575	100.4445198	99.85465687	99.27174325	98.69565638	98.12627657
240409A00035	4/9/2024	4.66	4/9/2027	107.82336	106.1659669	104.5424647	102.9518833	101.3932865	99.86577364	98.3684775	96.90056308	95.46122592
240410A00007	4/10/2024	4.64	4/10/2028	113.12169	110.3658494	107.6924907	105.0986259	102.5813964	100.1380666	97.76601736	95.46274032	93.22583223
240410A00008	4/10/2024	4.56	4/10/2029	117.79619	113.9144217	110.18462	106.5999605	103.1539676	99.84049341	96.65369913	93.58803769	90.63823723
240412A00017	4/12/2024	4.84	4/10/2026	102.93869	102.3162009	101.7012697	101.0937549	100.4935226	99.90044213	99.31438584	98.73522919	98.16285057
240415A00060	4/15/2024	5.06	4/15/2026	103.09926	102.4628675	101.8343599	101.2135917	100.6004203	99.99470642	99.39631437	98.8051116	98.22096879
240416A00017	4/16/2024	5.17	10/16/2025	100.61195	100.4839941	100.3563821	100.2291105	100.1021779	99.97558277	99.84932385	99.72339971	99.59780899
240416A00018	4/16/2024	5.04	4/16/2026	103.10029	102.4611162	101.8298934	101.2064768	100.5907221	99.98248817	99.38163756	98.78803607	98.20155276
240416A00019	4/16/2024	4.91	4/16/2027	108.33788	106.6561687	105.0091107	103.3956985	101.8149654	100.2659817	98.74785294	97.25971807	95.80074806
240416A00020	4/16/2024	4.85	4/17/2028	113.58253	110.8044322	108.1098275	105.4956709	102.9590549	100.4971974	98.1074361	95.78722158	93.53411213
240416A00030	4/16/2024	4.78	4/16/2027	108.24305	106.560106	104.9118729	103.297343	101.7155473	100.1655537	98.64646556	97.15741993	95.69758575
240417A00015	4/17/2024	4.76	4/16/2027	108.21009	106.5274247	104.8794678	103.2652092	101.68368	100.1339482	98.61511736	97.1263246	95.66673901
240417A00016	4/17/2024	4.63	4/17/2029	118.14968	114.2408182	110.4855848	106.8770518	103.4086461	100.0741289	96.86757685	93.78336373	90.81614399
240417A00017	4/17/2024	4.63	4/17/2029	118.14968	114.2408182	110.4855848	106.8770518	103.4086461	100.0741289	96.86757685	93.78336373	90.81614399
240418A00004	4/18/2024	4.87	4/18/2031	128.0882	121.8166308	115.9026143	110.3237106	105.059011	100.0890248	95.39557487	90.96170269	86.77157967

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240418A00012	4/18/2024	5.19	10/17/2025	100.62813	100.4973864	100.3669982	100.2369643	100.1072834	99.97795384	99.84897425	99.72034315	99.59205907
240418A00019	4/18/2024	5.05	4/17/2026	103.12028	102.4782557	101.8442505	101.2181192	100.5997154	99.98889645	99.38552296	98.78945912	98.20057234
240419A00026	4/23/2024	5.07	4/1/2026	102.9135	102.3166189	101.7266747	101.1435448	100.5671117	99.99726028	99.43387829	98.87685592	98.32608585
240422A00038	4/22/2024	5.03	10/22/2025	100.68316	100.5383796	100.3940265	100.2501017	100.106603	99.96352873	99.82087682	99.6786454	99.53683258
240422A00040	4/22/2024	4.85	10/22/2026	105.70691	104.5250477	103.3697452	102.2401142	101.1353044	100.0545025	98.99693052	97.96184372	96.94852904
240422A00041	4/22/2024	4.92	4/22/2026	103.15003	102.493396	101.8451543	101.2051396	100.5731957	99.94917038	99.3329151	98.72428509	98.12313918
240423A00027	4/23/2024	4.93	3/31/2027	108.12401	106.489713	104.8884902	103.3194094	101.7815691	100.2741016	98.79617063	97.34697075	95.92572533
240423A00028	4/23/2024	5.08	3/31/2026	102.90566	102.3115834	101.7243719	101.1439101	100.5700818	100.002774	99.44187585	98.88727911	98.33887801
240423A00032	4/23/2024	5.06	4/20/2026	103.16771	102.5171671	101.8748555	101.2406212	100.6143123	99.99578034	99.38488096	98.78147318	98.18541947
240423A00034	4/23/2024	4.92	4/19/2027	108.40056	106.7097441	105.0538867	103.4319652	101.8430002	100.2860502	98.76020935	97.2646061	95.79840126
240424A00030	4/24/2024	4.89	4/21/2027	108.38153	106.6851684	105.0239543	103.396861	101.8029011	100.2411253	98.71062057	97.21050829	95.73994275
240425A00010	4/25/2024	4.83	4/26/2027	108.47913	106.765541	105.0876824	103.4445061	101.8350005	100.2581935	98.71315048	97.19897234	95.71479403
240425A00021	4/25/2024	4.83	4/26/2027	108.47913	106.765541	105.0876824	103.4445061	101.8350005	100.2581935	98.71315048	97.19897234	95.71479403
240425A00028	4/25/2024	4.9	4/25/2028	113.83184	111.027125	108.3072164	105.6690047	103.1095165	100.6259082	98.21545933	95.87556587	93.60373475
240425A00029	4/25/2024	4.85	4/25/2029	118.79532	114.8582595	111.076405	107.4427338	103.9505817	100.5936251	97.36586159	94.26159124	91.27539962
240425A00030	4/25/2024	4.85	4/25/2029	118.79532	114.8582595	111.076405	107.4427338	103.9505817	100.5936251	97.36586159	94.26159124	91.27539962
240425A00032	4/25/2024	4.92	4/25/2030	124.04949	118.9351726	114.0682354	109.4353009	105.0237887	100.8218663	96.81839999	93.00290951	89.3655261
240425A00033	4/25/2024	4.96	4/27/2026	103.24408	102.5731672	101.9109979	101.2574004	100.6122086	99.97526112	99.34640034	98.72547277	98.11232877
240425A00034	4/25/2024	4.96	4/27/2026	103.24408	102.5731672	101.9109979	101.2574004	100.6122086	99.97526112	99.34640034	98.72547277	98.11232877
240426A00011	4/26/2024	5.17	10/27/2025	100.76124	100.6025789	100.4444283	100.2867806	100.1296336	99.97298485	99.81683197	99.6611726	99.50600442
240426A00012	4/26/2024	4.92	4/27/2026	103.21754	102.5467224	101.8846509	101.2311501	100.5860543	99.94920176	99.32043514	98.69960088	98.08654936
240426A00024	4/26/2024	4.79	4/26/2029	117.7683	114.0028617	110.3858061	106.9103477	103.5700578	100.358842	97.27092009	94.3008078	91.44329962
240426A00026	4/26/2024	5.05	4/30/2026	103.29789	102.6190162	101.9490836	101.2879155	100.6353405	99.99119176	99.35530678	98.72752714	98.10769849
240426A00029	4/26/2024	5.19	10/27/2025	100.7644	100.6057404	100.447586	100.2899346	100.1327839	99.97613141	99.81997483	99.66431177	99.5091399
240426A00044	4/26/2024	4.78	4/26/2027	108.39533	106.6824665	105.0053214	103.3628458	101.7540284	100.1778975	98.63351877	97.11999348	95.63645684
240429A00006	4/29/2024	4.86	10/29/2026	105.82658	104.6241194	103.4491186	102.3006406	101.1777933	100.0797241	99.00561799	97.95469532	96.92621001
240429A00007	4/29/2024	5.04	10/29/2025	100.7784	100.6140508	100.4502362	100.2869579	100.1242132	99.96199961	99.80031444	99.63915514	99.47851913
240429A00008	4/29/2024	4.93	4/29/2026	103.25123	102.5747144	101.9070825	101.2481603	100.597778	99.95577009	99.32197553	98.69623727	98.07840226
240429A00052	4/29/2024	4.91	5/3/2027	108.59829	106.8660335	105.1701556	103.5095738	101.8832494	100.2901845	98.72942021	97.20003449	95.70114054
240430A00016	4/30/2024	5.08	10/30/2025	100.79847	100.6313074	100.4647025	100.2986499	100.133147	99.96819103	99.80377925	99.639909	99.47657762
240430A00017	4/30/2024	5.08	10/30/2025	100.79847	100.6313074	100.4647025	100.2986499	100.133147	99.96819103	99.80377925	99.639909	99.47657762
240430A00034	4/30/2024	4.69	4/30/2029	118.55212	114.5974302	110.7993536	107.1507669	103.6449182	100.2754025	97.03614136	93.92136438	90.92559125
240430A00035	4/30/2024	4.94	4/30/2027	108.60374	106.8797143	105.1917636	103.5388211	101.9198609	100.3338973	98.77998285	97.25720625	95.76469093

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240501A00017	5/1/2024	5.13	5/1/2026	103.36572	102.6838207	102.0109344	101.3468879	100.6915078	100.0446249	99.40607467	98.77569668	98.15333462
240501A00018	12/23/2024	4.83	12/23/2026	106.51878	105.1703476	103.8480329	102.5510965	101.2788279	100.0305432	98.80558372	97.60331541	96.42312714
240501A00054	5/6/2024	4.79	5/4/2029	118.69626	114.7348739	110.9305499	107.2761333	103.7648435	100.3902486	97.1462454	94.02704046	91.02713222
240502A00013	5/2/2024	4.68	5/2/2028	113.53664	110.7114104	107.9722028	105.3158438	102.7392964	100.2396573	97.81414944	95.46011626	93.17501497
240502A00017	5/2/2024	4.81	5/2/2028	113.68805	110.8651292	108.1280643	105.4736836	102.8989591	100.4009957	97.97702488	95.62439734	93.34057747
240502A00030	5/2/2024	4.75	5/2/2029	118.51981	114.5673961	110.771524	107.1250751	103.6212984	100.2537898	97.0164722	93.90357619	90.90962285
240503A00009	5/3/2024	4.61	5/3/2029	118.01001	114.0642038	110.2748756	106.6348984	103.137518	99.77632768	96.54524792	93.43850761	90.4506263
240503A00016	5/3/2024	4.72	5/3/2028	113.31359	110.4961178	107.764374	105.1151944	102.545554	100.052561	97.63344947	95.28557326	93.0063995
240503A00024	5/3/2024	5.04	11/3/2025	100.834	100.6558329	100.4783012	100.3013992	100.1251234	99.94947063	99.7744375	99.60002074	99.42621708
240503A00029	10/21/2024	4.85	10/21/2025	100.63449	100.4926442	100.3512071	100.2101819	100.0695668	99.92935986	99.78955936	99.65016347	99.51117041
240503A00035	5/3/2024	4.92	5/1/2026	103.22408	102.5427072	101.8703498	101.2068273	100.5519662	99.90559765	99.26755698	98.6376839	98.01582218
240506A00011	5/6/2024	4.46	5/4/2029	117.74466	113.7935602	109.9994714	106.3552322	102.8540539	99.48949739	96.25545321	93.14612229	90.15599813
240506A00012	5/6/2024	5.04	11/6/2025	100.8745	100.6879739	100.5021492	100.3170185	100.1325778	99.94882328	99.76575101	99.58335717	99.40163797
240506A00020	5/6/2024	4.73	5/6/2027	108.33691	106.5986745	104.8970787	103.2310282	101.5994727	100.0014031	98.43585002	96.90188157	95.39860157
240507A00017	5/7/2024	4.51	5/8/2028	113.15388	110.3170411	107.567044	104.9006612	102.3148106	99.80654638	97.3730524	95.0116349	92.71971643
240507A00019	5/7/2024	4.51	5/8/2028	113.15388	110.3170411	107.567044	104.9006612	102.3148106	99.80654638	97.3730524	95.0116349	92.71971643
240507A00020	5/7/2024	4.6	5/7/2027	108.25329	106.5108809	104.8052828	103.1353909	101.5001474	99.89853682	98.3295834	96.79234932	95.28593279
240507A00021	5/7/2024	4.77	5/7/2026	103.2503	102.5515431	101.8622723	101.1822954	100.5114249	99.84947858	99.19627874	98.55165254	97.91543167
240507A00034	5/7/2024	4.9	5/7/2026	103.29134	102.5930543	101.9042398	101.224704	100.5542599	99.89272543	99.23992368	98.59568216	97.95983298
240507A00042	5/7/2024	4.57	5/7/2029	117.91218	113.9568378	110.1587557	106.5107557	103.0060328	99.63813306	96.40093329	93.28862165	90.2956799
240507A00043	5/7/2024	4.9	5/7/2026	103.29134	102.5930543	101.9042398	101.224704	100.5542599	99.89272543	99.23992368	98.59568216	97.95983298
240507A00048	5/7/2024	4.73	5/7/2027	108.35145	106.610334	104.9059568	103.2372243	101.6030813	100.002515	98.43455184	96.89825637	95.39272887
240507A00049	5/7/2024	4.64	5/8/2028	113.30662	110.4721051	107.7242548	105.0598524	102.475825	99.96923582	97.53727658	95.17726129	92.88661971
240507A00051	5/7/2024	4.57	5/7/2029	117.91218	113.9568378	110.1587557	106.5107557	103.0060328	99.63813306	96.40093329	93.28862165	90.2956799
240508A00005	5/8/2024	4.59	5/8/2031	127.13974	120.8204779	114.8654324	109.2515128	103.9572236	98.96254147	94.24880677	89.79862265	85.59576292
240508A00006	5/8/2024	4.92	5/8/2026	103.31868	102.6175081	101.9258877	101.2436209	100.5705187	99.90639673	99.25107592	98.60438176	97.96614438
240509A00005	5/9/2024	4.62	5/9/2029	118.12572	114.1607198	110.3535181	106.6969037	103.1840409	99.80844722	96.56397261	93.44478035	90.44532889
240509A00010	5/9/2024	4.6	5/10/2027	108.29646	106.5453848	104.8314329	103.153486	101.5104734	99.90136692	98.32517903	96.78096075	95.26779972
240509A00022	5/9/2024	4.66	5/9/2028	113.37459	110.5363389	107.7849295	105.1171369	102.5298791	100.0202112	97.58531697	95.22250323	92.92919282
240509A00023	5/9/2024	4.6	5/9/2029	118.05064	114.0870364	110.2811923	106.6258958	103.1143126	99.73996167	96.49669435	93.37867518	90.38036387
240509A00039	5/9/2024	4.87	11/10/2025	100.90864	100.7108499	100.5138446	100.3176233	100.1221812	99.92751358	99.73361581	99.54048323	99.34811124
240510A00020	5/10/2024	4.63	5/10/2027	108.34791	106.5963812	104.8819819	103.2035957	101.5601517	99.95062135	98.3740171	96.82938971	95.31582661
240513A00022	5/13/2024	4.92	5/13/2026	103.38625	102.6709163	101.9655215	101.2698557	100.5837181	99.90691345	99.23925178	98.58054831	97.93062321

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240513A00024	5/13/2024	4.74	5/13/2027	108.45595	106.6973547	104.976128	103.2911469	101.6413297	100.0256383	98.44307576	96.89268396	95.37354205
240513A00025	5/13/2024	4.67	5/12/2028	113.4421	110.5945101	107.8342497	105.1580706	102.5628658	100.0456665	97.60363454	95.23405577	92.93433344
240513A00026	5/13/2024	4.6	5/14/2029	118.11564	114.1366143	110.3164344	106.6478202	103.1238694	99.73803809	96.48411897	93.35622214	90.3487566
240513A00041	5/13/2024	5.06	11/13/2025	100.9731	100.7670447	100.5618461	100.3574969	100.1539917	99.95132531	99.74949244	99.54848788	99.34830647
240513A00045	5/17/2024	4.73	6/17/2027	108.9526	107.0912158	105.2710726	103.4909551	101.7496977	100.0461786	98.37931755	96.74807391	95.1514449
240514A00049	5/14/2024	4.84	2/5/2026	102.07817	101.6363004	101.1982665	100.7640172	100.3335035	99.90667729	99.48349116	99.06389863	98.64785395
240514A00065	5/14/2024	4.59	5/14/2029	118.07796	114.0996377	110.2801416	106.6121909	103.0888845	99.70367888	96.45036756	93.32306127	90.31616963
240515A00002	5/15/2024	4.4	11/13/2028	115.28627	111.8783283	108.5910108	105.4193027	102.3584352	99.40386886	96.55128048	93.79655129	91.13575581
240515A00003	5/15/2024	4.36	5/15/2029	117.50822	113.5302391	109.7114613	106.0445731	102.5226436	99.13910258	95.88771833	92.76257843	89.75807106
240515A00014	5/15/2024	4.81	11/17/2025	100.98821	100.77088	100.5545003	100.3390645	100.1245665	99.91099988	99.69835865	99.48663668	99.27582795
240515A00023	5/15/2024	4.51	5/15/2029	117.78926	113.813496	109.9966101	106.3313127	102.8106951	99.42820697	96.17763553	93.05308587	90.04896248
240515A00024	5/15/2024	4.59	5/15/2028	113.2623	110.4087812	107.643004	104.9616961	102.3617277	99.84010851	97.39398051	95.02061069	92.71738478
240515A00026	5/15/2024	4.64	5/17/2027	108.34091	106.5722905	104.8414404	103.1472101	101.4885011	99.86425894	98.27347152	96.71516644	95.18840925
240515A00027	5/15/2024	4.5	5/19/2027	108.25197	106.4764262	104.7389178	103.0382918	101.3734382	99.74329143	98.14682898	96.58306862	95.05106656
240515A00035	5/15/2024	4.57	5/15/2028	113.20731	110.354546	107.5895116	104.9089292	102.3096694	99.78874261	97.34329119	94.97058267	92.66800323
240515A00036	5/17/2024	4.63	6/17/2027	108.7706	106.9109278	105.0924565	103.3139798	101.5743333	99.87239579	98.20708792	96.57736981	94.98223942
240515A00037	5/15/2024	4.5	5/15/2029	117.75155	113.7764924	109.9602912	106.2956584	102.7756861	99.39382449	96.14386168	93.01990336	90.01635464
240515A00038	5/15/2024	4.5	5/15/2029	117.75155	113.7764924	109.9602912	106.2956584	102.7756861	99.39382449	96.14386168	93.01990336	90.01635464
240515A00039	5/15/2024	4.57	5/15/2030	122.63066	117.4915291	112.6039083	107.9540437	103.529014	99.31667422	95.30560536	91.48506597	87.84494817
240515A00041	7/1/2024	4.69	7/1/2027	109.08534	107.18278	105.3230931	103.5050627	101.7275147	99.98931553	98.28937049	96.62662204	95.00004838
240515A00044	5/15/2024	4.97	11/14/2025	100.96791	100.7590928	100.5511516	100.3440825	100.13788	99.93253862	99.72805284	99.52441727	99.32162655
240515A00048	7/1/2024	4.55	7/2/2029	118.56425	114.434653	110.4749879	106.6773697	103.0343172	99.53873311	96.18388246	92.96337208	89.87113156
240515A00050	7/1/2024	4.55	7/2/2029	118.56425	114.434653	110.4749879	106.6773697	103.0343172	99.53873311	96.18388246	92.96337208	89.87113156
240515A00052	7/1/2024	4.79	7/3/2034	138.61476	128.5627312	119.3565886	110.9197755	103.1830606	96.08380314	89.56529376	83.57616491	78.06986212
240515A00066	6/28/2024	4.8	6/29/2026	103.92655	103.0780361	102.2434204	101.4223584	100.6145217	99.81959203	99.03726169	98.26723247	97.50921557
240515A00067	6/28/2024	4.8	6/29/2026	103.92655	103.0780361	102.2434204	101.4223584	100.6145217	99.81959203	99.03726169	98.26723247	97.50921557
240515A00068	6/28/2024	4.8	6/29/2026	103.92655	103.0780361	102.2434204	101.4223584	100.6145217	99.81959203	99.03726169	98.26723247	97.50921557
240515A00089	5/15/2024	4.5	5/15/2029	117.75155	113.7764924	109.9602912	106.2956584	102.7756861	99.39382449	96.14386168	93.01990336	90.01635464
240516A00025	5/17/2024	4.55	10/16/2028	115.16453	111.8445461	108.6396863	105.5452666	102.5568286	99.67012283	96.88109719	94.1858866	91.58080303
240516A00030	5/16/2024	5	11/17/2025	101.01432	100.7971129	100.5808539	100.3655364	100.1511542	99.93770125	99.72517136	99.51355851	99.30285671
240516A00038	5/16/2024	4.9	5/18/2026	103.43938	102.7099308	101.9908063	101.2817894	100.5826675	99.89323394	99.21328801	98.54263436	97.881083
240517A00011	5/17/2024	4.61	5/17/2028	113.34376	110.4834953	107.711323	105.0239428	102.4182078	99.89111125	97.43977997	95.06146662	92.75354344
240517A00017	5/17/2024	4.4	5/17/2029	117.68459	113.6976075	109.8703539	106.1954797	102.666024	99.27538781	96.01731331	92.88586339	89.87540328

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
240517A00026	5/17/2024	4.68	5/17/2027	108.41025	106.6410108	104.9095519	103.2147239	101.5554278	99.93060915	98.33925533	96.78039375	95.25308968
240517A00034	5/17/2024	5.02	11/17/2025	101.01865	100.8014376	100.5851723	100.3698485	100.1554601	99.94200088	99.72946477	99.51784571	99.30713772
240520A00016	5/20/2024	4.57	8/16/2027	109.64359	107.6056222	105.6164285	103.6745335	101.7785205	99.92702521	98.11873312	96.35237747	94.62673708
240520A00017	5/20/2024	4.94	4/15/2026	103.02365	102.3875217	101.7592792	101.1387739	100.525863	99.9204075	99.32227155	98.73132269	98.14743163
240520A00018	5/20/2024	4.84	10/15/2026	105.50657	104.3469705	103.2129879	102.1037816	101.0185443	99.95650337	98.91691932	97.89908372	96.90231771
240520A00020	5/20/2024	4.79	1/15/2027	106.7924	105.3828421	103.998885	102.6398875	101.3052315	99.99431876	98.70657036	97.44142569	96.19834183
240520A00025	5/20/2024	4.75	4/15/2027	108.05941	106.3829233	104.7409501	103.132488	101.5565755	100.0122879	98.4987354	97.01506155	95.5604415
240520A00027	5/20/2024	4.7	10/15/2027	110.6105	108.3955303	106.2366532	104.1320543	102.0799934	100.0788	98.12686979	96.2226618	94.36469496
240520A00031	5/20/2024	4.96	9/19/2025	100.24489	100.1919921	100.1391656	100.0864104	100.0337262	99.98111303	99.92857061	99.87609881	99.8236975
240520A00040	5/20/2024	4.89	11/20/2025	101.04537	100.8196239	100.5948996	100.3711902	100.1484889	99.92678864	99.70608271	99.48636433	99.26762682
240520A00041	5/20/2024	4.83	11/25/2026	106.11128	104.8319281	103.5835857	102.3651365	101.175514	100.0137021	98.87873182	97.76967882	96.68566084
240521A00005	5/21/2024	5.04	11/21/2025	101.07697	100.8485704	100.6212118	100.3948895	100.1695962	99.94532512	99.72206907	99.49982119	99.27857458
240521A00006	5/21/2024	4.9	5/21/2026	103.47976	102.7417915	102.0143903	101.2973259	100.5903787	99.89333517	99.20598783	98.52813497	97.85958041
240522A00012	5/22/2024	4.67	5/22/2028	113.57606	110.698531	107.9099608	105.2070023	102.5864646	100.0453002	97.58059707	95.18957166	92.8695621
240522A00027	5/22/2024	4.62	5/21/2027	108.4897	106.7064791	104.9615468	103.2537335	101.5819188	99.94502805	98.3420297	96.77193308	95.23378643
240522A00039	5/22/2024	4.76	5/24/2027	108.65136	106.860611	105.1084027	103.3935569	101.7149424	100.0714743	98.46211135	96.88585375	95.3417411
240523A00021	5/23/2024	4.96	11/24/2025	101.115	100.8780323	100.6421827	100.4074449	100.1738108	99.94127279	99.70982303	99.47945388	99.25015772
240523A00025	5/23/2024	4.96	11/18/2025	101.03417	100.8139943	100.5947942	100.3765616	100.1592901	99.9429733	99.72760482	99.51317836	99.29968766
240523A00027	5/23/2024	4.49	5/24/2029	118.11535	114.1003096	110.2467291	106.5471502	102.9945087	99.58210969	96.30360566	93.15297623	90.1245089
240523A00033	5/24/2024	4.8	12/24/2027	111.8246	109.3978718	107.0367945	104.7392063	102.5030267	100.326257	98.2069763	96.14333814	94.13356683
240523A00035	5/24/2024	4.78	11/24/2027	111.35588	109.0188954	106.7433515	104.5271755	102.3683799	100.2650609	98.21539488	96.21763342	94.27009991
240523A00037	5/24/2024	4.78	1/24/2028	112.2078	109.6899367	107.2423568	104.8627024	102.5487084	100.2981986	98.10908188	95.97934828	93.90706539
240523A00043	5/24/2024	4.81	2/24/2028	112.72815	110.1125966	107.5724966	105.1052307	102.7082864	100.3792538	98.11582036	95.91576701	93.77696311
240524A00001	5/24/2024	4.98	11/24/2025	101.11972	100.8827451	100.6468881	100.4121428	100.1785014	99.94595606	99.714499	99.48412258	99.25481918
240524A00011	5/24/2024	5.02	5/19/2026	103.53977	102.8071389	102.0849112	101.3728707	100.6708025	99.97849761	99.29575302	98.62237119	97.95816005
240524A00027	5/24/2024	4.82	6/30/2027	109.31241	107.4104438	105.5512689	103.7336762	101.9564951	100.2185956	98.51888632	96.85631285	95.22985642
240125A00058	1/16/2025	3.85	6/11/2027	107.27685	105.4481507	103.6597208	101.9103549	100.1988961	98.52423253	96.88529506	95.28105503	93.71052245
240131A00019	1/16/2025	3.69	6/12/2026	102.82102	102.0247171	101.2407609	100.4688683	99.70876171	98.96017249	98.22283991	97.49651108	96.78094069
240208A00030	1/16/2025	4.05	1/23/2026	101.55412	101.1500294	100.7491629	100.3514827	99.95695112	99.5655306	99.17718439	98.79187627	98.4095706
240118A00057	3/14/2025	3.81	5/14/2027	106.86614	105.1189333	103.4089438	101.7350461	100.0961612	98.49125357	96.91932872	95.37943117	93.87064254
ADV1006437	5/28/2024	4.799	6/28/2027	109.24377	107.3481623	105.4951078	103.6833935	101.9118499	100.1793481	98.48479872	96.82714955	95.2053844
ADV1006438	5/28/2024	4.644	5/29/2029	118.47869	114.4500914	110.5837406	106.8721271	103.3081393	99.88503806	96.59643524	93.43627238	90.39880164
ADV1006450	5/28/2024	5.047	5/28/2026	103.68451	102.9261796	102.1789765	101.4426558	100.7169805	100.0017209	99.29665339	98.60156104	97.91623291

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1006451	5/28/2024	5.204	11/28/2025	101.21236	100.9642766	100.7174076	100.4717468	100.2272855	99.98401484	99.74192619	99.50101095	99.26126059
ADV1006474	5/28/2024	5.044	5/28/2026	103.68226	102.9239404	102.1767465	101.4404349	100.7147687	99.99951798	99.29445933	98.59937574	97.91405629
ADV1006478	5/28/2024	4.775	5/30/2028	113.97673	111.0710896	108.2558072	105.5274685	102.8828117	100.3187222	97.83222525	95.42047844	93.08076438
ADV1006508	5/29/2024	4.746	9/12/2028	115.32238	112.0975805	108.982044	105.9714382	103.0616299	100.2486738	97.52880277	94.89841851	92.35408312
ADV1006512	5/29/2024	4.762	7/17/2028	114.59979	111.5476175	108.5942415	105.7359259	102.969099	100.290343	97.69638685	95.1840989	92.75048017
ADV1006532	5/29/2024	5.092	2/27/2026	102.46876	101.9649908	101.4661815	100.9722571	100.4831461	99.9987783	99.51908497	99.04399863	98.57345313
ADV1006538	5/29/2024	4.952	11/25/2026	106.26441	104.9840293	103.7346746	102.5152303	101.3246292	100.1618547	99.0259375	97.91595279	96.83101789
ADV1006559	5/29/2024	4.894	7/30/2027	109.89421	107.9035221	105.9593837	104.0604252	102.2053248	100.3928079	98.62164567	96.89065252	95.19868462
ADV1006562	5/29/2024	4.768	6/29/2029	119.37574	115.2390464	111.2720843	107.4669901	103.8163047	100.3129515	96.9502148	93.72171936	90.62141156
ADV1006570	5/29/2024	4.908	5/28/2027	108.97139	107.1666382	105.4009039	103.6729853	101.9817318	100.3260398	98.70485077	97.11714834	95.56195648
ADV1006582	5/30/2024	5.037	5/29/2026	103.69047	102.9293478	102.1794299	101.4404715	100.7122336	99.9944836	99.28699597	98.58955144	97.901937
ADV1006583	5/30/2024	4.859	5/28/2027	108.88456	107.0806164	105.3156761	103.5885356	101.8980446	100.2431004	98.62264465	97.03566149	95.48117532
ADV1006595	5/30/2024	5.031	5/29/2026	103.68596	102.9248533	102.1749539	101.4360139	100.7077941	99.99006214	99.2825923	98.5851654	97.8975684
ADV1006596	5/30/2024	4.859	5/28/2027	108.88456	107.0806164	105.3156761	103.5885356	101.8980446	100.2431004	98.62264465	97.03566149	95.48117532
ADV1006598	5/30/2024	4.783	5/30/2028	113.99869	111.0927466	108.277173	105.5485488	102.903612	100.3392479	97.85248168	95.44047072	93.10049755
ADV1006599	5/30/2024	4.695	5/30/2029	118.68589	114.650543	110.7777711	107.0600466	103.4902399	100.0615956	96.76770994	93.60250996	90.56023426
ADV1006606	5/30/2024	4.579	5/30/2029	117.03762	113.3223952	109.7553147	106.329609	103.038852	99.87694467	96.83809675	93.91680923	91.10785828
ADV1006633	5/31/2024	4.653	5/28/2027	108.64912	106.8450662	105.0800549	103.3528872	101.6624108	100.0075204	98.38715587	96.80029943	95.24597363
ADV1006634	5/31/2024	4.572	5/31/2028	113.63007	110.7219026	107.904378	105.1740597	102.5276693	99.96207721	97.47429451	95.06146534	92.72085987
ADV1006650	5/31/2024	4.854	5/29/2026	103.60594	102.8444669	102.0942154	101.3549396	100.6263996	99.90836255	99.20060225	98.50289893	97.81503907
ADV1006652	5/31/2024	4.854	5/29/2026	103.60594	102.8444669	102.0942154	101.3549396	100.6263996	99.90836255	99.20060225	98.50289893	97.81503907
ADV1006656	5/31/2024	4.99	5/29/2026	103.65512	102.8941406	102.144368	101.4055535	100.6774579	99.95984879	99.2525006	98.55519412	97.86771634
ADV1006657	5/31/2024	4.811	5/28/2027	108.79988	106.9967065	105.2325221	103.5061237	101.8163615	100.1621329	98.54238006	96.95608749	95.40227987
ADV1006659	5/31/2024	4.732	5/31/2028	113.86988	110.9629299	108.1464654	105.4170596	102.7714433	100.2064952	97.71923437	95.30681234	92.96650625
ADV1006680	6/3/2024	4.924	6/3/2026	103.67894	102.9039317	102.1405482	101.3885245	100.6476082	99.9175541	99.19812435	98.4890879	97.79022039
ADV1006681	6/3/2024	4.731	6/3/2027	108.75193	106.9323606	105.1524152	103.4108832	101.7066015	100.0384542	98.40537016	96.80632054	95.24031684
ADV1006683	6/3/2024	4.637	6/5/2028	113.67706	110.7584025	107.931003	105.1914136	102.5363449	99.96265502	97.46734173	95.04753501	92.70049022
ADV1006724	6/4/2024	4.536	6/4/2027	108.5479	106.7250475	104.9419878	103.1975039	101.4904302	99.81964819	98.18408389	96.58270573	95.01452236
ADV1006734	6/4/2024	4.987	12/4/2025	101.24511	100.9803162	100.7169164	100.4548956	100.1942428	99.93494733	99.67699855	99.42038595	99.16509913
ADV1006742	6/4/2024	4.992	12/4/2025	101.24643	100.9816377	100.7182356	100.4562125	100.1955575	99.93625971	99.67830866	99.42169381	99.16640475
ADV1006757	6/5/2024	4.883	12/5/2025	101.24938	100.9816033	100.7152495	100.4503086	100.186769	99.92461979	99.6638498	99.40444813	99.14640395
ADV1006759	6/5/2024	4.502	6/5/2029	118.03202	113.991612	110.1147367	106.3938148	102.821666	99.39148549	96.09682177	92.93155581	89.88988176
ADV1006780	6/5/2024	4.435	6/1/2029	117.72424	113.7013966	109.8410126	106.1355614	102.5779095	99.16129821	95.87932041	92.72590035	89.695274

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1006781	6/5/2024	4.998	10/31/2025	100.79133	100.6215248	100.4522903	100.2836224	100.1155183	99.94797528	99.78099046	99.61456111	99.44868449
ADV1006792	6/6/2024	4.967	12/8/2025	101.29376	101.0177722	100.7432983	100.4703262	100.1988436	99.92883815	99.66029782	99.3932106	99.12756464
ADV1006793	6/6/2024	4.835	6/8/2026	103.67712	102.8881784	102.1112853	101.3461647	100.5925498	99.85018206	99.1188106	98.39819193	97.68808971
ADV1006802	6/6/2024	4.287	6/6/2029	117.50947	113.4683855	109.5912551	105.8704724	102.2988291	98.86949403	95.57599083	92.41217705	89.37222479
ADV1006838	6/7/2024	4.941	1/7/2026	101.72109	101.3606893	101.0028522	100.6475529	100.2947642	99.94445942	99.59661238	99.25119712	98.90818808
ADV1006844	6/7/2024	4.772	6/7/2027	108.88385	107.0516251	105.2594982	103.5062553	101.7907327	100.1118125	98.46842094	96.85952572	95.28413419
ADV1006845	6/7/2024	4.686	6/7/2028	113.8412	110.9144	108.0792437	105.3322797	102.6702077	100.0898751	97.58826855	95.16250711	92.80983517
ADV1006846	6/7/2024	4.579	6/7/2029	118.35283	114.300449	110.4122314	106.6805701	103.0982577	99.6584631	96.35470923	93.18085232	90.13106266
ADV1006860	6/10/2024	4.544	6/10/2030	123.19255	117.9530283	112.9734484	108.23945	103.7375428	99.45505302	95.38006932	91.50139239	87.80848838
ADV1006862	6/10/2024	4.698	6/12/2028	113.9432	111.0004519	108.1502308	105.3890564	102.713605	100.1206995	97.60730214	95.17050703	92.80753368
ADV1006864	6/10/2024	4.684	6/10/2030	123.4978	118.2625009	113.2865165	108.555535	104.0561144	99.77562562	95.70219826	91.82467086	88.13254444
ADV1006866	6/10/2024	4.751	6/10/2032	131.56616	123.9632285	116.8691344	110.2468286	104.0621534	98.28360564	92.8821164	87.83085046	83.10502315
ADV1006868	6/10/2024	4.737	6/10/2031	127.88239	121.4617017	115.4153774	109.7194444	104.351594	99.29105811	94.51849468	90.0158819	85.76642115
ADV1006872	6/10/2024	4.778	6/10/2027	108.93912	107.0978041	105.2969338	103.5352952	101.8117238	100.1251008	98.47435016	96.85843719	95.27636615
ADV1006873	6/10/2024	4.612	6/4/2029	118.43925	114.3940345	110.5123593	106.7866463	103.2097168	99.77476815	96.47535079	93.30534786	90.25895568
ADV1006874	6/11/2024	4.614	6/1/2029	118.40689	114.3710933	110.4981481	106.7805074	103.211024	99.78292543	96.48979195	93.3255355	90.28438038
ADV1006912	6/11/2024	4.816	6/11/2026	103.75774	102.9593415	102.1732771	101.3992594	100.6370126	99.88626902	99.14676912	98.41826115	97.70050083
ADV1006931	6/12/2024	4.404	6/12/2029	117.7443	113.6888403	109.7983222	106.0650948	102.4819123	99.04190527	95.73855946	92.56569462	89.51744552
ADV1006934	6/12/2024	4.933	12/12/2025	101.33796	101.0507874	100.765252	100.4813437	100.1990486	99.91835277	99.63924262	99.3617046	99.08572535
ADV1006935	6/12/2024	4.796	6/12/2026	103.69941	102.8992225	102.1114307	101.3357448	100.5718867	99.81958675	99.07858358	98.34862357	97.62946065
ADV1006936	6/12/2024	4.561	6/14/2027	108.60531	106.7556945	104.9469128	103.1777587	101.4470689	99.75372432	98.09664825	96.47480403	94.88719337
ADV1006937	6/12/2024	4.656	6/12/2026	103.64446	102.843763	102.0554829	101.2793278	100.5150188	99.76228579	99.02086661	98.29050705	97.57096049
ADV1006940	6/12/2024	5.018	10/1/2025	100.39887	100.3126527	100.2265826	100.1406611	100.0548878	99.96926232	99.88378424	99.79845319	99.71326881
ADV1006942	6/12/2024	4.955	11/28/2025	101.15403	100.9060514	100.6592914	100.413739	100.1693855	99.926222	99.68423995	99.44343072	99.20378581
ADV1006943	6/12/2024	5.018	10/1/2025	100.39887	100.3126527	100.2265826	100.1406611	100.0548878	99.96926232	99.88378424	99.79845319	99.71326881
ADV1006944	6/12/2024	5.018	10/1/2025	100.39887	100.3126527	100.2265826	100.1406611	100.0548878	99.96926232	99.88378424	99.79845319	99.71326881
ADV1006945	6/12/2024	5.018	10/1/2025	100.39887	100.3126527	100.2265826	100.1406611	100.0548878	99.96926232	99.88378424	99.79845319	99.71326881
ADV1006947	6/12/2024	5.018	10/1/2025	100.39887	100.3126527	100.2265826	100.1406611	100.0548878	99.96926232	99.88378424	99.79845319	99.71326881
ADV1006948	6/12/2024	4.955	11/28/2025	101.15403	100.9060514	100.6592914	100.413739	100.1693855	99.926222	99.68423995	99.44343072	99.20378581
ADV1006949	6/12/2024	4.955	11/28/2025	101.15403	100.9060514	100.6592914	100.413739	100.1693855	99.926222	99.68423995	99.44343072	99.20378581
ADV1006950	6/12/2024	4.952	11/28/2025	101.15328	100.9053092	100.6585504	100.4129992	100.1686469	99.92548467	99.68350382	99.44269579	99.20305207
ADV1006953	6/12/2024	4.55	6/14/2027	108.58538	106.7359452	104.927346	103.158371	101.427857	99.73468503	98.07777846	96.45610075	94.86865365
ADV1006954	6/12/2024	4.466	6/12/2028	113.28656	110.3531267	107.5119947	104.7596933	102.0929057	99.50846151	97.00332925	94.57460925	92.21952688

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1006955	6/12/2024	4.371	6/12/2029	117.61724	113.5642141	109.676048	105.9451024	102.364134	98.92627628	95.62501714	92.45417872	89.40789803
ADV1006956	6/12/2024	4.382	6/12/2029	117.65959	113.6057562	109.7168061	105.9850999	102.4033934	98.96481928	95.66286458	92.49135068	89.44441386
ADV1006960	6/12/2024	4.668	6/12/2026	103.65396	102.8532259	102.0649048	101.2887091	100.5243601	99.7715874	99.03012898	98.2997306	97.58014561
ADV1006962	6/12/2024	4.822	6/12/2026	103.71999	102.9197193	102.1318388	101.3560651	100.5921202	99.83973446	99.09864635	98.36860229	97.64935622
ADV1006965	6/17/2024	4.601	7/1/2027	108.92235	107.02136	105.1632096	103.3466866	101.5706176	99.83387003	98.13534973	96.47399993	94.84879953
ADV1006966	6/12/2024	4.44	6/12/2029	117.8829	113.8247962	109.9317123	106.1959957	102.6103976	99.16804597	95.86242381	92.68734832	89.63695187
ADV1006967	6/12/2024	4.643	6/14/2027	108.75392	106.902916	105.0927743	103.3222853	101.5902849	99.89565363	98.23731391	96.61422852	95.02539855
ADV1006980	6/13/2024	4.665	6/15/2026	103.69067	102.8814103	102.084825	101.3006179	100.5285017	99.76819754	99.01943542	98.28195338	97.55549738
ADV1006988	6/13/2024	4.393	6/13/2029	117.71411	113.6563021	109.7636401	106.0284659	102.4435238	99.00193513	95.6971763	92.52305812	89.47370665
ADV1006989	6/13/2024	4.955	12/15/2025	101.38463	101.0890425	100.7951884	100.5030571	100.2126333	99.92390207	99.63684842	99.35145767	99.0677153
ADV1006999	6/13/2024	4.935	12/15/2025	101.37874	101.0831562	100.7893134	100.4971933	100.2067807	99.91806049	99.63101788	99.34563813	99.0619067
ADV1007000	6/13/2024	4.793	6/15/2026	103.73656	102.9278583	102.1318082	101.3481164	100.5764962	99.81666966	99.06836729	98.3313278	97.60529776
ADV1007001	6/13/2024	4.268	6/13/2029	116.59631	112.7367267	109.0340957	105.4811407	102.0709642	98.79702421	95.65311333	92.63334016	89.73211146
ADV1007016	6/13/2024	4.324	6/13/2028	113.10655	110.1681155	107.3223306	104.5657127	101.8949304	99.30679933	96.79827467	94.36644367	92.00851918
ADV1007017	6/13/2024	4.543	8/4/2027	109.28414	107.2857097	105.3343414	103.4286377	101.5672534	99.7488923	97.97230435	96.23628424	94.53966926
ADV1007019	6/13/2024	4.42	6/14/2027	108.48063	106.6298158	104.8199073	103.0496928	101.3180061	99.62372542	97.96577131	96.34310468	94.75472487
ADV1007020	6/13/2024	4.251	2/2/2029	115.80542	112.1579611	108.6473014	105.2675699	102.0131823	98.87882286	95.85943005	92.95018293	90.14648839
ADV1007052	6/14/2024	4.323	6/14/2029	117.45688	113.4010665	109.5104697	105.7774326	102.1946944	98.75537178	95.45293603	92.28119317	89.23426452
ADV1007060	6/14/2024	4.361	5/21/2029	117.30406	113.3203665	109.496552	105.8252501	102.2994814	98.91263023	95.65842344	92.53091018	89.52444314
ADV1007061	6/14/2024	4.959	12/15/2025	101.38581	101.0902197	100.7963634	100.5042299	100.2138039	99.92507039	99.63801453	99.35262158	99.06887702
ADV1007063	6/14/2024	4.804	6/15/2026	103.74536	102.9366196	102.1405312	101.3568015	100.5851439	99.82528031	99.07694129	98.33986556	97.61379965
ADV1007066	6/14/2024	4.562	6/14/2027	108.60661	106.7569664	104.9481609	103.1789837	101.4482714	99.754905	98.09780771	96.47594289	94.88831222
ADV1007068	6/18/2024	4.512	11/1/2027	110.43644	108.1759793	105.9736623	103.8275771	101.7358875	99.69683301	97.70872427	95.76993998	93.87892336
ADV1007075	6/14/2024	4.422	6/14/2027	108.48426	106.6334087	104.823467	103.0532199	101.3215011	99.62718901	97.96920403	96.34650708	94.75809749
ADV1007076	6/14/2024	4.562	6/14/2027	108.60661	106.7569664	104.9481609	103.1789837	101.4482714	99.754905	98.09780771	96.47594289	94.88831222
ADV1007096	6/17/2024	4.852	6/17/2026	103.81044	102.9958384	102.194069	101.4048293	100.6278268	99.86277772	99.10940727	98.3674489	97.6366442
ADV1007098	6/17/2024	4.614	6/17/2027	108.744	106.8845061	105.0662173	103.287921	101.5484529	99.84669195	98.1815589	96.55201398	94.95705522
ADV1007099	6/17/2024	4.522	6/20/2028	113.5499	110.5895713	107.7229942	104.9466537	102.2571933	99.65140198	97.12620736	94.67866841	92.30596913
ADV1007100	6/17/2024	4.415	6/18/2029	117.86215	113.7868809	109.8779636	106.1276886	102.5287452	99.07420099	95.75748026	92.57234309	89.51286652
ADV1007107	6/17/2024	4.278	6/18/2029	117.62431	113.5458158	109.6340445	105.8812609	102.2801301	98.82369714	95.50536514	92.31887462	89.25828428
ADV1007114	6/17/2024	4.74	6/18/2029	115.35489	112.1024608	108.9750853	105.9671231	103.0732212	100.2882983	97.6075295	95.0263318	92.54035073
ADV1007146	6/18/2024	4.482	6/20/2028	113.43569	110.4769914	107.612004	104.8372154	102.1492703	99.54495878	97.0212096	94.5750828	92.20376343
ADV1007153	6/20/2024	4.502	2/25/2028	111.96623	109.3573769	106.82393	104.3632677	101.9728754	99.65034156	97.39335222	95.19968678	93.06721346

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1007157	6/18/2024	4.969	12/18/2025	101.42924	101.1252385	100.8230713	100.522724	100.2241798	99.92742254	99.63243608	99.33920449	99.04771203
ADV1007160	6/18/2024	4.638	1/19/2027	106.63768	105.2182581	103.824795	102.456639	101.1131591	99.79374502	98.49780606	97.22477043	95.9740845
ADV1007166	6/18/2024	4.965	12/18/2025	101.42803	101.1240285	100.8218637	100.5215187	100.2229769	99.92622193	99.63123778	99.3380085	99.04651833
ADV1007167	6/18/2024	4.805	6/18/2026	103.78579	102.9685153	102.164156	101.3724094	100.5929799	99.82558121	99.06993564	98.32577416	97.59283587
ADV1007168	6/18/2024	4.556	6/18/2027	108.65258	106.7910895	104.9709025	103.1908064	101.449637	99.74627332	98.07963587	96.44868437	94.85241618
ADV1007173	6/18/2024	4.389	6/20/2034	120.86958	115.6738595	110.7966939	106.2150737	101.9078436	97.85554035	94.04024493	90.44544919	87.05593464
ADV1007211	6/20/2024	4.562	9/27/2027	110.0689	107.9101161	105.8051459	103.7522849	101.7498948	99.79640144	97.89029148	96.03010976	94.21445647
ADV1007218	6/20/2024	4.777	8/20/2026	104.62008	103.6229466	102.6448998	101.6853949	100.7439072	99.81993155	98.91298174	98.02258934	97.148303
ADV1007219	6/20/2024	4.682	12/21/2026	106.29547	104.9530888	103.6372821	102.3472724	101.0823151	99.8416947	98.62472304	97.43073819	96.25910309
ADV1007220	6/20/2024	4.59	6/21/2027	108.75717	106.8861435	105.056782	103.2678716	101.5182471	99.80678581	98.13240544	96.49406268	94.89075124
ADV1007227	6/20/2024	4.835	6/22/2026	103.86321	103.0344462	102.2189577	101.4164236	100.6265364	99.84899832	99.08352087	98.32982448	97.58763818
ADV1007228	6/20/2024	4.588	6/21/2027	108.7535	106.8825152	105.0531875	103.2643104	101.5147185	99.80328924	98.12894032	96.49062845	94.88734735
ADV1007230	6/20/2024	4.494	6/20/2028	113.46921	110.5100352	107.6445751	104.8693254	102.1809303	99.57617979	97.05200207	94.60545692	92.23372904
ADV1007267	6/21/2024	4.49	6/21/2028	113.47095	110.5088449	107.6406342	104.8628002	102.1719824	99.56496593	97.03867422	94.59016203	92.21660913
240308A00010	5/22/2025	3.88	6/24/2026	103.10123	102.2703966	101.4529661	100.6486203	99.8570465	99.07794189	98.31101324	97.55597644	96.81255614
240503A00030	5/22/2025	4.46	7/17/2026	103.86878	102.9704336	102.0876733	101.2200983	100.3673185	99.528957	98.70464972	97.89404473	97.09680181
240508A00008	5/8/2025	4.42	5/10/2027	107.86375	106.1186712	104.4105632	102.7383149	101.1008603	99.49717605	97.92627926	96.38722522	94.8791057
ADV1007285	12/24/2024	4.775	12/24/2025	101.44821	101.1275321	100.8088863	100.4922574	100.1776263	99.86497415	99.55428217	99.24553191	98.93870516
ADV1007317	6/25/2024	4.989	12/26/2025	101.54388	101.2174555	100.8931402	100.5709096	100.2507437	99.93262256	99.61652663	99.30243656	98.99033327
ADV1007329	6/25/2024	4.377	6/25/2029	117.80222	113.7076067	109.7808976	106.0143046	102.4004449	98.93231571	95.6032726	92.40700901	89.33753737
ADV1007342	6/25/2024	4.995	12/26/2025	101.54583	101.2194017	100.8950824	100.5728479	100.252678	99.93455291	99.61845306	99.30435911	98.99225195
ADV1007351	6/25/2024	4.983	12/26/2025	101.54193	101.2155094	100.891198	100.5689714	100.2488094	99.93069222	99.61460019	99.30051401	98.98841459
ADV1007352	6/25/2024	4.827	6/25/2026	103.89646	103.0592023	102.2354788	101.4249662	100.6273479	99.84231767	99.06957868	98.30884343	97.55983335
ADV1007353	6/25/2024	4.575	6/25/2027	108.78675	106.9040311	105.0634404	103.263765	101.5038384	99.78253567	98.09877168	96.45149917	94.83970729
ADV1007378	6/26/2024	4.529	6/26/2030	122.93025	117.6611705	112.6554092	107.8983863	103.3764025	99.07658325	94.98682516	91.09574564	87.39263643
ADV1007379	6/26/2024	4.573	6/26/2031	127.07442	120.6296109	114.5635218	108.8518004	103.4717801	98.40235957	93.6238863	89.11805042	84.86778618
ADV1007380	6/26/2024	4.622	6/28/2032	130.84109	123.2094897	116.0924715	109.4523838	103.2545191	97.46687147	92.05991265	87.0063887	82.28113384
ADV1007385	6/26/2024	4.302	6/26/2029	117.81688	113.7111977	109.7741705	105.9979681	102.3751672	98.89872659	95.5619653	92.35854239	89.28243775
ADV1007406	6/27/2024	4.515	6/27/2028	113.6203	110.6387072	107.7520808	104.9568775	102.2497068	99.62732306	97.08661865	94.62461716	92.23846709
ADV1007410	6/27/2024	4.998	12/29/2025	101.58733	101.2524983	100.919877	100.5894423	100.2611727	99.93504698	99.61104422	99.28914372	98.96932506
ADV1007413	6/27/2024	4.827	6/29/2026	103.94954	103.1009098	102.2661714	101.4449882	100.6370316	99.8419837	99.05953648	98.28939178	97.53126076
ADV1007414	6/27/2024	4.997	12/29/2025	101.58699	101.2521658	100.9195451	100.5891111	100.2608422	99.93471722	99.61071514	99.28881531	98.96899732
ADV1007421	7/1/2024	4.411	6/18/2029	117.84918	113.7742746	109.8657127	106.1157806	102.5171681	99.06294346	95.74653118	92.56169187	89.50250299

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1007425	6/27/2024	4.798	7/31/2026	104.3594	103.4195657	102.4967122	101.5903814	100.7001319	99.82553794	98.9661888	98.12168788	97.29165231
ADV1007426	6/27/2024	4.473	6/28/2027	108.77487	106.8813007	105.0302933	103.2206357	101.4511571	99.7207275	98.02825618	96.37268993	94.75301153
ADV1007429	6/27/2024	4.826	6/29/2026	103.9487	103.1000754	102.2653407	101.4441612	100.6362084	99.84116417	99.05872058	98.28857947	97.530452
ADV1007447	6/28/2024	4.576	6/28/2027	108.83107	106.9393897	105.0901881	103.2822547	101.5144221	99.78556354	98.0945912	96.4404548	94.82213986
ADV1007449	6/28/2024	4.391	6/28/2029	117.89392	113.7887753	109.8522677	106.076575	102.4542808	98.97834936	95.64210431	92.43920815	89.36364336
ADV1007452	6/28/2024	4.403	6/28/2029	117.94065	113.8346036	109.8972214	106.1206805	102.4975634	99.02083347	95.68381337	92.48016474	89.40386922
ADV1007487	6/28/2024	5.085	9/30/2025	100.38806	100.3046103	100.2213009	100.1381287	100.0550931	99.97219397	99.88943091	99.80680361	99.72431175
ADV1007489	6/28/2024	4.799	8/14/2026	104.55638	103.5764187	102.6149067	101.6713242	100.7451721	99.8359696	98.94325356	98.06657752	97.20551107
ADV1007515	7/1/2024	5.041	1/2/2026	101.66279	101.3167058	100.9729781	100.6315843	100.2925007	99.95570376	99.62117051	99.28887815	98.95880419
ADV1007522	7/1/2024	4.894	7/1/2026	104.03822	103.1836378	102.3431371	101.5163717	100.7030066	99.90271755	99.11519071	98.34012216	97.57721762
ADV1007585	7/2/2024	4.518	7/2/2029	118.44427	114.3170692	110.3597301	106.5643679	102.9235043	99.43004437	96.0772556	92.85874712	89.76845076
ADV1007586	7/2/2024	4.518	7/2/2029	118.44427	114.3170692	110.3597301	106.5643679	102.9235043	99.43004437	96.0772556	92.85874712	89.76845076
ADV1007610	7/3/2024	4.582	7/6/2027	108.95911	107.0439945	105.1723289	103.34287	101.5544202	99.80582368	98.09596423	96.42376406	94.78818199
ADV1007622	7/3/2024	4.58	7/6/2027	108.95536	107.0402826	105.1686524	103.3392282	101.5508125	99.80224932	98.09242269	96.42025474	94.78470433
ADV1007623	7/8/2024	4.946	1/8/2026	101.71184	101.3489601	100.9886794	100.630971	100.2758072	99.92316087	99.57300522	99.2253138	98.88006054
ADV1007648	7/5/2024	4.367	7/5/2029	117.35238	113.3469978	109.507728	105.8267428	102.2966262	98.91035007	95.66125158	92.54301236	89.54963876
ADV1007651	7/5/2024	4.224	7/5/2029	117.62604	113.4982332	109.541015	105.7464366	102.1069632	98.6154478	95.26510949	92.04951262	88.96254755
ADV1007660	7/5/2024	4.343	7/6/2029	117.8085	113.6822742	109.7264497	105.9330879	102.2946656	98.8040469	95.45446104	92.23948201	89.15300917
ADV1007673	7/5/2024	4.194	7/5/2029	117.50843	113.3829128	109.4279079	105.6354759	101.9980844	98.50858893	95.16021093	91.946517	88.86139964
ADV1007693	7/8/2024	4.357	4/9/2029	116.76408	112.9112391	109.2091583	105.6510744	102.2305692	98.94154875	95.7782254	92.7351001	89.80694631
ADV1007695	7/8/2024	4.378	1/10/2029	115.70186	112.1279626	108.6857049	105.3695405	102.1741868	99.09461042	96.12601434	93.26382535	90.50368251
ADV1007696	7/8/2024	4.411	9/13/2028	114.30521	111.0932299	107.9902837	104.992041	102.0943722	99.29333568	96.58516807	93.96627488	91.43322194
ADV1007702	7/8/2024	4.744	1/8/2026	101.66382	101.3007644	100.9403102	100.582433	100.2271054	99.87429984	99.52398953	99.1761479	98.83074879
ADV1007703	7/8/2024	4.366	7/8/2027	108.71655	106.7957405	104.918672	103.0840927	101.2907928	99.53760467	97.82340101	96.14709337	94.50763045
ADV1007720	7/9/2024	4.76	1/9/2026	101.68294	101.3170544	100.9538165	100.5931962	100.2351651	99.87969526	99.5267591	99.17632947	98.82837961
ADV1007723	7/9/2024	4.593	7/9/2026	103.94802	103.0706761	102.2081951	101.3601969	100.5263183	99.70620812	98.89952679	98.10594578	97.32514726
ADV1007732	7/9/2024	4.894	1/9/2026	101.70653	101.3408811	100.9778731	100.6174774	100.2596659	99.90441052	99.551684	99.20145921	98.85370949
ADV1007736	7/9/2024	4.517	7/9/2027	108.87753	106.9548836	105.0760289	103.2397131	101.4447244	99.68989336	97.97409088	96.29622684	94.65524831
ADV1007761	7/10/2024	4.57	7/10/2026	103.94104	103.0609367	102.1957906	101.3452185	100.5088537	99.68634163	98.87733965	98.0815162	97.29855055
ADV1007770	7/10/2024	4.353	7/12/2027	108.74577	106.8136311	104.9257218	103.0807696	101.277545	99.51486147	97.79157378	96.10657638	94.45880164
ADV1007786	7/11/2024	4.084	7/11/2029	117.14578	113.0103131	109.0465142	105.246356	101.6022256	98.10690388	94.75354287	91.5356448	88.44704235
ADV1007787	7/11/2024	4.357	7/12/2027	108.61598	106.6875855	104.803304	102.9618611	101.1620317	99.40263351	97.68252544	96.00060578	94.3558106
ADV1007788	7/11/2024	4.292	7/11/2028	113.15459	110.1403602	107.2233575	104.399921	101.6665508	99.01989697	96.45675271	93.97404712	91.56883884

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1007789	7/11/2024	4.221	7/11/2029	117.38832	113.2561113	109.29519	105.4975517	101.8556092	98.36216674	95.01039843	91.79382698	88.70630418
ADV1007793	7/11/2024	4.233	5/9/2029	116.67611	112.7381194	108.9571292	105.3259594	101.837803	98.48620474	95.2650408	92.16849943	89.19106297
ADV1007797	7/11/2024	4.612	6/30/2026	103.78532	102.9346835	102.0980183	101.2749847	100.4652513	99.66849724	98.88441202	98.11269495	97.35305479
ADV1007801	7/11/2024	4.829	11/28/2025	101.12299	100.8750645	100.6283569	100.3828567	100.1385552	99.89544361	99.65351321	99.41275544	99.1731618
ADV1007814	7/12/2024	4.764	1/12/2026	101.69858	101.3246115	100.9534082	100.5849384	100.2191718	99.85607871	99.49562966	99.13779571	98.78254835
ADV1007817	7/12/2024	4.381	7/9/2027	108.62106	106.7008947	104.8244729	102.9905441	101.1978978	99.44536567	97.73181995	96.05617161	94.41736884
ADV1007827	7/12/2024	4.093	7/12/2029	117.19267	113.0534507	109.0861639	105.2827574	101.6356027	98.13746586	94.78148509	91.56114983	88.47028078
ADV1007828	7/12/2024	4.233	7/12/2029	117.44711	113.3109331	109.3463047	105.5452053	101.9000313	98.4035724	95.04898855	91.82978947	88.73981483
ADV1007829	7/12/2024	4.234	7/12/2029	117.45104	113.3147905	109.3500878	105.5489163	101.9036725	98.40714571	95.05249606	91.83323312	88.74319647
ADV1007830	7/12/2024	4.234	7/12/2029	117.45104	113.3147905	109.3500878	105.5489163	101.9036725	98.40714571	95.05249606	91.83323312	88.74319647
ADV1007865	7/15/2024	4.703	1/15/2026	101.71459	101.3322526	100.9528066	100.5762167	100.2024508	99.831477	99.46326392	99.09778068	98.73499686
ADV1007874	7/15/2024	4.332	7/15/2027	108.60776	106.6711742	104.7790546	102.9301202	101.123131	99.35689084	97.63024514	95.94207943	94.29131764
ADV1007889	7/15/2024	4.252	3/12/2027	106.90264	105.3288158	103.7863227	102.2743015	100.7919204	99.33837748	97.91289948	96.51474031	95.14317993
ADV1007906	7/16/2024	4.081	7/16/2029	117.19107	113.0405631	109.0629038	105.2499764	101.5940931	98.08796465	94.72467805	91.49767489	88.40073136
ADV1007913	7/16/2024	4.594	1/16/2026	101.71252	101.3271058	100.9446275	100.5650527	100.1883481	99.81448108	99.44341957	99.07513186	98.70958676
ADV1007923	7/16/2024	4.075	7/16/2029	117.16736	113.0173233	109.0401135	105.2276219	101.5721612	98.06644272	94.70355391	91.47693682	88.3803681
ADV1007924	7/16/2024	4.075	7/16/2029	117.16736	113.0173233	109.0401135	105.2276219	101.5721612	98.06644272	94.70355391	91.47693682	88.3803681
ADV1007925	7/16/2024	4.545	7/16/2026	103.93401	103.0380603	102.1576112	101.2922605	100.4416217	99.60532116	98.78299781	97.97430268	97.17889836
ADV1007927	7/16/2024	4.54	7/16/2026	103.92958	103.0336517	102.1532237	101.2878939	100.4372757	99.60099547	98.77869223	97.97001698	97.1746323
ADV1007928	7/16/2024	4.295	1/18/2028	110.95346	108.4676726	106.0509435	103.7009648	101.4155232	99.19249171	97.02982581	94.92556	92.87780404
ADV1007939	7/16/2024	4.527	7/16/2026	103.91806	103.0221894	102.1418162	101.2765406	100.425976	99.58974867	98.76749772	97.95887415	97.16354056
ADV1007941	7/16/2024	4.12	7/17/2028	112.93963	109.906884	106.9725999	104.1330469	101.3846592	98.72402509	96.14787939	93.65309623	91.23668243
ADV1007944	7/16/2024	4.512	7/16/2026	103.90477	103.0089636	102.1286537	101.2634407	100.4129378	99.5767716	98.75458098	97.94601704	97.15074239
ADV1007957	7/17/2024	4.221	7/19/2027	108.58687	106.6369396	104.7320603	102.8709248	101.0522697	99.27487607	97.53756799	95.83921053	94.17870813
ADV1008000	7/23/2024	4.195	7/2/2029	117.17917	113.0763818	109.1427105	105.3703009	101.7517022	98.2798457	94.9480239	91.74986985	88.67933819
ADV1008001	7/18/2024	4.526	7/20/2026	103.96811	103.0608581	102.1694956	101.2936033	100.4327801	99.58663897	98.75480585	97.93691938	97.13263029
ADV1008009	7/18/2024	4.713	1/20/2026	101.78377	101.3874006	100.9941289	100.6039213	100.2167421	99.83255584	99.45132791	99.07302405	98.69761058
ADV1008011	7/18/2024	4.532	7/20/2026	103.97349	103.0662139	102.1748256	101.2989076	100.4380592	99.59189305	98.76003524	97.94212438	97.13781118
ADV1008031	7/19/2024	4.252	7/19/2027	108.6458	106.695273	104.7898163	102.9281148	101.1089046	99.33096656	97.59312436	95.89424282	94.2332261
ADV1008042	7/19/2024	4.77	1/20/2026	101.80609	101.4096582	101.0163289	100.6260641	100.238828	99.85458526	99.4733012	99.09494158	98.71947271
ADV1008099	7/23/2024	4.563	7/23/2026	104.03919	103.1232325	102.2234519	101.3394248	100.4707393	99.61699806	98.77781706	97.95282553	97.14166513
ADV1008102	7/23/2024	4.373	7/23/2027	108.79107	106.8306336	104.9156751	103.0448682	101.2169323	99.43063213	97.68477623	95.9782148	94.3098381
ADV1008103	7/23/2024	4.746	1/23/2026	101.83572	101.4308844	101.0292805	100.6308677	100.235608	99.84346383	99.45439846	99.0683756	98.68535954

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1008104	7/23/2024	4.563	7/23/2026	104.03919	103.1232325	102.2234519	101.3394248	100.4707393	99.61699806	98.77781706	97.95282553	97.14166513
ADV1008109	7/23/2024	4.252	7/23/2029	116.72301	112.7680329	108.9778009	105.3444845	101.8606734	98.51934901	95.31386104	92.23790642	89.28550913
ADV1008134	7/24/2024	4.357	7/24/2026	103.92909	103.0099901	102.1071932	101.2202646	100.3487881	99.49236172	98.65059752	97.8231207	97.00956918
ADV1008145	7/24/2024	4.328	7/26/2027	108.74415	106.7759149	104.8535187	102.9756172	101.1409147	99.3481619	97.59615387	95.88372797	94.20976224
ADV1008146	7/24/2024	4.302	11/29/2027	110.33912	107.9994866	105.7217328	103.5037555	101.3435417	99.23916397	97.18877629	95.1906095	93.24296746
ADV1008164	7/25/2024	4.773	10/24/2025	100.66207	100.5118118	100.36201	100.212665	100.0637747	99.915337	99.76734988	99.61981125	99.47271904
ADV1008195	7/25/2024	4.41	7/26/2027	108.80217	106.8351914	104.9139912	103.0372253	101.2036008	99.41187086	97.66083282	95.94932626	94.27623135
ADV1008196	7/25/2024	4.232	7/26/2027	108.69876	106.7283939	104.8039656	102.9241236	101.0875685	99.29304745	97.53935183	95.82531581	94.14981429
ADV1008198	7/25/2024	4.133	7/25/2029	117.50056	113.3185186	109.311579	105.471477	101.790383	98.26087614	94.87592069	91.62884378	88.51331499
ADV1008208	7/26/2024	4.678	1/26/2026	101.84705	101.4338634	101.0240372	100.6175296	100.2143003	99.81430972	99.41751886	99.02388937	98.63338352
ADV1008216	7/26/2024	4.284	7/26/2029	117.1542	113.0530142	109.1234547	105.3573524	101.7469752	98.28499978	94.96448747	91.77886212	88.72188908
ADV1008218	7/26/2024	4.53	7/26/2033	133.57661	124.7132902	116.5289536	108.9674987	101.9777508	95.5130017	89.53059822	83.99157097	78.86029852
ADV1008219	7/26/2024	4.588	7/26/2035	139.77391	128.5705008	118.4086646	109.1846325	100.8055232	93.18814736	86.25795012	79.94807338	74.19852431
ADV1008220	7/26/2024	4.464	7/26/2032	129.98153	122.2997245	115.1417054	108.46875	102.245192	96.4381682	91.01738492	85.95490443	81.22495059
ADV1008221	7/26/2024	4.2	7/26/2029	117.47865	113.3023355	109.3007995	105.4657937	101.7895057	98.26453085	94.88384861	91.64080042	88.52906931
ADV1008223	7/26/2024	4.252	7/26/2028	113.21634	110.159327	107.2021906	104.3411266	101.5724948	98.89281338	96.29875113	93.78712001	91.35486819
ADV1008224	7/26/2024	4.252	7/26/2028	113.21634	110.159327	107.2021906	104.3411266	101.5724948	98.89281338	96.29875113	93.78712001	91.35486819
ADV1008225	7/26/2024	4.588	7/26/2035	139.77391	128.5705008	118.4086646	109.1846325	100.8055232	93.18814736	86.25795012	79.94807338	74.19852431
ADV1008226	7/26/2024	4.2	7/26/2029	117.47865	113.3023355	109.3007995	105.4657937	101.7895057	98.26453085	94.88384861	91.64080042	88.52906931
ADV1008228	7/26/2024	4.498	7/26/2034	127.85586	120.4853693	113.6751429	107.3771771	101.5479173	96.14782253	91.14097078	86.49470656	82.17932399
ADV1008231	7/26/2024	4.099	11/26/2029	118.81825	114.251341	109.8894897	105.7222945	101.7399486	97.9331991	94.29331186	90.81203897	87.48158866
ADV1008232	7/26/2024	4.673	1/26/2026	101.84499	101.4318134	101.0219922	100.6154897	100.2122654	99.81227973	99.4154938	99.02186923	98.63136828
ADV1008233	7/26/2024	4.475	7/27/2026	104.00974	103.0827901	102.1724078	101.2781508	100.3995928	99.53632243	98.68794269	97.85407018	97.03433458
ADV1008245	7/29/2024	4.292	7/29/2027	108.71326	106.7370658	104.8070737	102.921924	101.0803063	99.28095673	97.52265672	95.80423064	94.12454414
ADV1008247	7/29/2024	4.465	7/29/2026	104.02537	103.0927729	102.1769421	101.2774252	100.3937887	99.52561407	98.6724978	97.83405005	97.00989442
ADV1008249	7/29/2024	4.664	1/29/2026	101.8799	101.4583134	101.0402151	100.6255644	100.2143189	99.80643676	99.40187676	99.00059845	98.60256201
ADV1008250	7/29/2024	4.466	7/29/2026	104.02629	103.0936899	102.1778546	101.2783332	100.3946922	99.5265132	98.6733926	97.83494058	97.01078073
ADV1008251	7/29/2024	4.752	7/29/2026	102.30378	101.7980035	101.2985938	100.8054212	100.3183557	99.83727086	99.36204397	98.8925559	98.42869094
ADV1008257	7/29/2024	4.184	7/30/2029	117.46116	113.2739247	109.2623738	105.4181984	101.7335267	98.20089863	94.81324196	91.5638503	88.44636206
ADV1008260	7/29/2024	4.444	7/29/2032	129.86582	122.1795063	115.0179284	108.342247	102.1166937	96.30831457	90.88673511	85.82394571	81.09410623
ADV1008263	7/31/2024	4.308	5/25/2027	107.87237	106.0859072	104.3379589	102.6273464	100.9529377	99.31364689	97.70843206	96.13629278	94.59626807
ADV1008275	7/30/2024	4.123	7/31/2028	113.11253	110.0381028	107.0646694	104.1883617	101.4054802	98.71248743	96.10599961	93.58277925	91.13972791
ADV1008283	11/1/2024	4.589	10/31/2025	100.76971	100.593146	100.417178	100.2417999	100.0670087	99.89280163	99.71917565	99.54612794	99.37365562

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1008320	7/31/2024	4.126	7/30/2027	108.54467	106.5648129	104.6313565	102.7429289	100.8982112	99.09593168	97.33486439	95.61382658	93.93167712
ADV1008323	7/31/2024	4.191	7/31/2028	113.09484	110.0256921	107.0572655	104.1857007	101.4073118	98.71857395	96.11611558	93.59671059	91.15727132
ADV1008348	8/1/2024	4.031	2/1/2029	114.76735	111.1475581	107.6634408	104.3091811	101.0792472	97.96837266	94.97154271	92.08398048	89.30113454
ADV1008352	8/1/2024	4.511	2/2/2026	101.87062	101.4379555	101.0089716	100.5836174	100.1618469	99.74361485	99.32887697	98.91758952	98.50970957
ADV1008361	8/1/2024	4.307	8/3/2026	103.94652	103.000411	102.0715607	101.1595035	100.2637865	99.38397294	98.51964149	97.67038562	96.83581293
ADV1008371	11/15/2024	4.35	11/14/2025	100.8857	100.6692301	100.4536696	100.2390147	100.0252597	99.81239881	99.60042641	99.38933686	99.17912458
ADV1008374	8/1/2024	4.355	2/2/2026	101.83341	101.4004902	100.9712547	100.5456556	100.1236467	99.70518278	99.2902192	98.87871216	98.47061857
ADV1008387	8/2/2024	3.946	8/3/2026	103.67446	102.7287898	101.8003995	100.8888151	99.99358274	99.11426501	98.25043985	97.40170007	96.56765263
ADV1008388	8/2/2024	4.208	2/2/2026	101.73991	101.3075829	100.8789321	100.4539088	100.0324671	99.61456196	99.2001489	98.78918429	98.38162521
ADV1008389	8/2/2024	3.794	8/2/2029	115.94295	111.7773257	107.7871488	103.9640984	100.3002919	96.78825999	93.42092258	90.19156678	87.09382572
ADV1008391	8/2/2024	3.99	9/16/2026	104.17756	103.10732	102.0591205	101.0322852	100.0261648	99.0401361	98.07360086	97.1259843	96.19673409
ADV1008396	8/2/2024	3.86	8/2/2028	112.13948	109.0790269	106.119297	103.2564238	100.4867132	97.8066329	95.21280443	92.70199547	90.27111266
ADV1008398	8/2/2024	3.791	8/2/2029	115.93097	111.7655829	107.7756353	103.9528073	100.2892165	96.7773936	93.41025902	90.18110001	87.08354997
ADV1008404	8/2/2024	3.886	8/2/2027	107.97839	105.9985479	104.0652613	102.1771542	100.332899	98.5312162	96.7708718	95.05067581	93.36948016
ADV1008405	8/2/2024	4.049	8/3/2026	103.70491	102.760021	101.8323769	100.9215107	100.0269696	99.14831718	98.28513255	97.4370094	96.60355563
ADV1008407	8/2/2024	3.891	8/2/2027	107.98814	106.0081972	104.0748152	102.1866145	100.3422675	98.54049461	96.78006181	95.05977903	93.37849819
ADV1008410	8/2/2024	3.883	8/2/2027	107.97254	105.9927584	104.059529	102.171478	100.3272779	98.52564915	96.7653578	95.04521388	93.36406935
ADV1008411	8/2/2024	3.804	8/2/2029	115.98288	111.8164686	107.8255269	104.0017353	100.3372102	96.8244813	93.4564678	90.22645599	87.12807825
ADV1008413	8/2/2024	4.029	8/3/2026	103.68618	102.7413861	101.8138356	100.9030616	100.0086117	99.1300493	98.26695356	97.41891822	96.58555119
ADV1008416	8/2/2024	3.874	8/2/2027	107.955	105.9753897	104.042332	102.1544494	100.3104146	98.50894802	96.7488158	95.02882808	93.34783691
ADV1008417	8/2/2024	3.857	8/2/2028	112.13056	109.0702443	106.1106438	103.2478969	100.4783094	97.7983493	95.20463813	92.69394367	90.26317265
ADV1008418	8/2/2024	3.791	8/2/2029	115.93097	111.7655829	107.7756353	103.9528073	100.2892165	96.7773936	93.41025902	90.18110001	87.08354997
ADV1008419	8/2/2024	3.865	8/2/2027	107.93746	105.958021	104.025135	102.1374209	100.2935514	98.49224688	96.7322738	95.01244229	93.33160446
ADV1008424	8/2/2024	3.748	8/2/2028	112.02521	108.9614393	105.9986197	103.132874	100.3604958	97.67794171	95.08182245	92.56889563	90.13605838
ADV1008425	8/2/2024	4.221	2/2/2026	101.74552	101.3131765	100.8845113	100.4594738	100.0380181	99.62009888	99.20567188	98.79469343	98.38712058
ADV1008426	8/2/2024	3.679	8/2/2029	115.78238	111.61177	107.6170612	103.7898977	100.1223683	96.60697714	93.23661948	90.00455932	86.90440828
ADV1008432	8/5/2024	3.693	8/5/2027	107.63559	105.6509176	103.7131142	101.8207868	99.97259357	98.16724136	96.40348348	94.68011775	92.99598456
ADV1008441	8/5/2024	3.734	8/6/2029	115.74435	111.571402	107.5747105	103.7458925	100.0770084	96.56053589	93.18934614	89.95668084	86.85613104
ADV1008442	8/5/2024	3.826	8/7/2028	112.0921	109.0184382	106.0463734	103.1719935	100.3915562	97.70148377	95.09835523	92.57889814	90.13998147
ADV1008443	8/5/2024	3.838	9/7/2027	108.30727	106.2243593	104.1925717	102.2103211	100.2760835	98.38839305	96.54583889	94.747063	92.99075763
ADV1008444	8/5/2024	3.836	10/5/2027	108.63709	106.4713547	104.360074	102.3015039	100.2939714	98.33587001	96.42565591	94.5618453	92.74301145
ADV1008448	8/5/2024	3.892	8/5/2027	108.02514	106.0365686	104.0949362	102.1988532	100.3469755	98.53800813	96.77070242	95.04385435	93.35630254
ADV1008449	8/5/2024	3.821	8/6/2029	116.09272	111.9128716	107.9094906	104.0741891	100.3990193	96.87645145	93.49934922	90.2609474	87.1548304

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1008450	8/5/2024	3.892	8/5/2027	108.02514	106.0365686	104.0949362	102.1988532	100.3469755	98.53800813	96.77070242	95.04385435	93.35630254
ADV1008451	8/5/2024	4.008	8/5/2031	124.04678	117.5768254	111.4950483	105.7760265	100.3961326	95.33339764	90.56738622	86.07908207	81.85078253
ADV1008452	8/5/2024	3.976	8/5/2026	103.72594	102.7744188	101.8403801	100.9233494	100.0228645	99.13848009	98.26976672	97.41631006	96.57771026
ADV1008462	8/7/2024	3.893	8/2/2027	107.99115	106.0111706	104.077752	102.1895149	100.3451317	98.54332275	96.78285405	95.06253555	93.38121915
ADV1008468	8/5/2024	4.047	8/5/2026	103.72641	102.775823	101.8426871	100.9265287	100.026887	99.14331785	98.27539278	97.42269848	96.58483612
ADV1008472	8/5/2024	3.867	8/5/2027	107.97621	105.98812	104.0469687	102.1513574	100.2999426	98.49142939	96.72456939	94.99815879	93.31103646
ADV1008502	8/6/2024	4.121	8/6/2026	103.80777	102.8539729	101.9177421	100.9985931	100.096061	99.20969754	98.33907046	97.48376285	96.64337241
ADV1008503	10/4/2024	3.864	10/4/2027	108.68518	106.521688	104.412542	102.3560031	100.3504038	98.39414231	96.48567948	94.62353582	92.8062887
ADV1008505	8/6/2024	4.334	2/6/2026	101.84126	101.3975604	100.9577348	100.5217313	100.0895	99.66099209	99.23615953	98.81495507	98.39733229
ADV1008506	10/4/2024	3.867	10/4/2027	108.69155	106.5279941	104.4187804	102.3621752	100.356511	98.40018577	96.49166048	94.62945557	92.81214837
ADV1008509	8/6/2024	4.127	8/6/2026	103.81344	102.8596114	101.9233521	101.0041749	100.101615	99.21522405	98.34456984	97.48923544	96.64881852
ADV1008510	8/6/2024	3.806	8/6/2029	116.33247	112.1396471	108.1239983	104.2770881	100.5909307	97.05796064	93.67100839	90.42327733	87.3083225
ADV1008511	8/6/2024	3.955	8/6/2027	108.16003	106.1673442	104.2217558	102.3218624	100.4663142	98.65381015	96.88309629	95.15296328	93.46224475
ADV1008512	8/6/2024	3.806	8/6/2029	116.33247	112.1396471	108.1239983	104.2770881	100.5909307	97.05796064	93.67100839	90.42327733	87.3083225
ADV1008522	8/6/2024	4.109	8/7/2026	103.80852	102.8519322	101.9130095	100.9912682	100.0862392	99.19747036	98.32452578	97.46698495	96.62444221
ADV1008523	8/6/2024	3.939	8/6/2027	108.12867	106.1362952	104.1910154	102.2914248	100.4361736	98.6239611	96.85353326	95.12368099	93.43323807
ADV1008531	8/7/2024	4.353	2/9/2026	101.88581	101.4336648	100.9855422	100.5413886	100.1011514	99.66477873	99.23221977	98.80342455	98.37834398
ADV1008546	8/7/2024	4.17	8/7/2026	103.86631	102.9094251	101.9702104	101.0481809	100.1428674	99.25381764	98.38059564	97.52278085	96.67996751
ADV1008547	8/7/2024	3.99	8/9/2027	108.26496	106.2629559	104.3084508	102.4000232	100.5363065	98.71598388	96.93778614	95.2004896	93.5029142
ADV1008557	8/7/2024	4.096	8/7/2026	103.79621	102.8396796	101.9008191	100.9791392	100.0741709	99.18546192	98.31257646	97.45509402	96.61260895
ADV1008570	8/8/2024	3.887	8/8/2029	116.67927	112.4739016	108.4463885	104.5882555	100.8914778	97.34845338	93.95197848	90.69522464	87.57171707
ADV1008577	8/8/2024	4.076	8/10/2026	103.88068	102.9144	101.9661408	101.0353977	100.121688	99.22454657	98.34352498	97.47819096	96.62812758
ADV1008595	8/9/2024	3.986	8/9/2027	108.25693	106.2550051	104.3005714	102.392214	100.5285662	98.70831142	96.93018031	95.19294928	93.49543829
ADV1008598	8/9/2024	4.551	9/19/2025	100.22118	100.1683792	100.1156514	100.0629943	100.0104077	99.95789152	99.90544561	99.85306982	99.800764
ADV1008612	8/12/2024	4.364	2/12/2026	101.92634	101.4657479	101.0093281	100.5570257	100.108785	99.66455122	99.22427074	98.78789079	98.35535955
ADV1008616	8/12/2024	4.385	8/12/2026	102.14067	101.6395681	101.1450353	100.6569258	100.1750999	99.69942231	99.22976176	98.765991	98.30798653
ADV1008618	8/12/2024	4.287	2/12/2026	101.92324	101.462276	101.005492	100.5528333	100.1042442	99.65966976	99.21905611	98.7823503	98.34950035
ADV1008646	8/13/2024	3.838	8/13/2029	116.23386	112.0314675	108.0072689	104.1527526	100.4598592	96.92095481	93.52880686	90.27656028	87.15771602
ADV1008647	8/13/2024	3.885	8/13/2027	108.10448	106.0930734	104.1296431	102.2127453	100.3409924	98.51304772	96.72762332	94.98347764	93.27941363
ADV1008648	8/15/2024	3.881	8/16/2027	108.13197	106.11203	104.140452	102.215777	100.3366008	98.50157113	96.70938504	94.95878678	93.24856581
ADV1008666	8/14/2024	4.249	2/17/2026	101.93212	101.4576363	100.9875828	100.5218953	100.060513	99.60337632	99.15042671	98.70160669	98.25685981
ADV1008670	8/14/2024	4.054	8/14/2026	103.8389	102.862622	101.9047473	100.9647555	100.0421485	99.13644659	98.24718741	97.37392545	96.51623116
ADV1008686	8/14/2024	3.893	8/16/2027	108.15582	106.1356417	104.1638258	102.2389174	100.3595123	98.52425805	96.73185159	94.98103707	93.27060383

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1008713	8/15/2024	3.965	8/15/2029	116.20369	112.1221546	108.2141581	104.4713179	100.8857015	97.44980291	94.15651636	90.99911321	87.97121955
ADV1008716	8/15/2024	4.461	12/18/2025	101.27578	100.9720937	100.6702394	100.3702032	100.0719688	99.7755198	99.48084007	99.18791374	98.89672507
ADV1008717	8/15/2024	4.437	1/15/2026	101.61326	101.2311644	100.8519538	100.4755981	100.102065	99.73132274	99.3633399	98.99808565	98.63552956
ADV1008720	8/15/2024	4.228	8/17/2026	104.04433	103.0586174	102.0916336	101.1428485	100.211751	99.29784891	98.4006684	97.51975276	96.65466185
ADV1008766	8/26/2024	4.144	8/26/2026	104.07039	103.059429	102.0681503	101.0959854	100.1423847	99.20681955	98.28878117	97.38777976	96.50334365
ADV1008768	8/26/2024	3.971	8/26/2027	108.42976	106.379239	104.3784219	102.4257923	100.5198892	98.65930598	96.84268833	95.06873158	93.33617863
ADV1008771	8/19/2024	3.982	8/19/2027	108.3684	106.3377791	104.3559553	102.4214469	100.5328321	98.68874155	96.88785625	95.12890517	93.41066318
ADV1008800	8/20/2024	3.845	8/20/2029	116.33566	112.1115173	108.0672762	104.1943034	100.4844277	96.92991165	93.52342614	90.25802655	87.12713056
ADV1008819	8/20/2024	4.106	8/20/2026	103.96055	102.9669098	101.992311	101.0362081	100.0980776	99.1774153	98.27373589	97.3865719	96.51547286
ADV1008827	8/21/2024	4.231	2/23/2026	101.99276	101.5014535	101.0148876	100.5329921	100.0556999	99.58294521	99.11466344	98.65079127	98.19126654
ADV1008829	8/21/2024	4.056	8/21/2026	103.92335	102.9271129	101.9500219	100.9915257	100.0510964	99.12822601	98.22242535	97.33322333	96.46016604
ADV1008832	8/21/2024	3.867	8/23/2027	108.18546	106.1457103	104.1552302	102.2125203	100.3161375	98.46469257	96.65684739	94.89131287	93.16684673
ADV1008842	8/21/2024	4.074	8/21/2026	103.89142	102.8960693	101.9198312	100.962162	100.0225348	99.10044249	98.19539681	97.30692754	96.43458161
ADV1008843	8/21/2024	4.244	2/23/2026	101.97463	101.4836681	100.9974389	100.5158733	100.0389044	99.56646649	99.09849528	98.63492752	98.17570122
ADV1008861	8/22/2024	4.111	8/24/2026	104.01385	103.0087672	102.0231559	101.0564503	100.1081096	99.17761341	98.26446078	97.36816947	96.48827492
ADV1008862	8/22/2024	3.953	8/23/2027	108.35807	106.3165513	104.3243334	102.3799194	100.4818652	98.62878075	96.819327	95.05221401	93.32619868
ADV1008905	8/23/2024	3.952	8/24/2026	103.92579	102.9201711	101.9340503	100.9668629	100.0180669	99.08714071	98.17358229	97.27690831	96.39665323
ADV1008938	8/26/2024	3.994	8/26/2026	103.92048	102.9103239	101.9198409	100.948461	99.99563485	99.06083392	98.14354968	97.24329257	96.35959114
ADV1008945	8/26/2024	3.761	8/26/2027	108.15224	106.1018409	104.101206	102.1488138	100.2432	98.38295532	96.56672255	94.79319447	93.06111156
ADV1008946	8/26/2024	3.841	8/26/2027	108.16777	106.1199442	104.1217751	102.1717419	100.2683853	98.41029989	96.59613278	94.82458059	93.09438749
ADV1008974	8/26/2024	4.187	2/26/2026	102.00538	101.5057161	101.0109492	100.5210064	100.0358175	99.55531353	99.07942677	98.60809093	98.14124092
ADV1009003	8/26/2024	3.951	8/26/2026	103.94804	102.9367203	101.9451121	100.9726432	100.0187628	99.08294098	98.16466798	97.26345298	96.37882333
ADV1009013	8/26/2024	4.034	8/26/2026	103.96046	102.9500853	101.9593901	100.9878009	100.0347681	99.09976342	98.18227808	97.28182249	96.39792514
ADV1009014	8/26/2024	3.869	8/26/2027	108.2242	106.1757923	104.1770528	102.2264605	100.3225553	98.46393197	96.64923706	94.87716696	93.14646558
ADV1009026	8/26/2024	4.206	2/26/2026	102.01482	101.5151332	101.0203391	100.5303692	100.0451535	99.5646228	99.08870956	98.61734742	98.15047129
ADV1009074	8/27/2024	3.885	8/27/2027	108.2678	106.2162144	104.2144265	102.2609172	100.3542208	98.49292628	96.67567516	94.90115876	93.16811625
ADV1009082	8/27/2024	4.187	8/26/2033	131.04662	122.1950889	114.0303662	106.4950633	99.53687792	93.10812256	87.16529457	81.66868886	76.58204811
ADV1009083	8/27/2024	4.027	8/27/2026	103.96486	102.9516927	101.9583099	100.9841349	100.0286141	99.09121473	98.17142438	97.26874968	96.38271558
ADV1009084	8/27/2024	3.811	8/27/2029	116.27117	112.0286269	107.9675903	104.0793136	100.3555169	96.78836206	93.37042643	90.09467865	86.95445583
ADV1009085	8/27/2024	3.854	8/25/2028	112.36837	109.2404053	106.217406	103.295264	100.470055	97.73803024	95.09560787	92.53936416	90.06602575
ADV1009086	8/27/2024	3.817	8/1/2029	115.13565	111.1977629	107.4249976	103.8094624	100.3436867	97.02059709	93.83349365	90.77602847	87.84218496
ADV1009087	10/1/2024	3.806	10/1/2027	108.5278	106.3742992	104.2747539	102.2274427	100.2307155	98.28298663	96.38273255	94.52848834	92.71884519
ADV1009092	8/27/2024	4.029	8/27/2026	103.96686	102.9536861	101.9602926	100.9861071	100.0305759	99.0931663	98.17336585	97.27068118	96.38463725

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1009097	8/27/2024	3.831	8/28/2028	112.33107	109.1953078	106.1650479	103.2361478	100.4046533	97.6667878	95.01894304	92.45767066	89.9796741
ADV1009134	8/28/2024	3.914	8/28/2026	103.93409	102.9172735	101.9203827	100.9428345	99.98406949	99.04354963	98.12075723	97.21519407	96.32638042
ADV1009139	8/28/2024	3.999	8/28/2026	103.94859	102.9327162	101.9367343	100.9600614	100.0021396	99.06243204	98.14042237	97.23561354	96.34752696
ADV1009152	8/29/2024	4.198	2/27/2026	102.02199	101.5195211	101.0220025	100.5293596	100.0415211	99.55841683	99.07997816	98.60613776	98.13682955
ADV1009154	8/29/2024	3.884	8/30/2027	108.30123	106.2410298	104.2310305	102.2696872	100.3555172	98.48709325	96.66304153	94.88203878	93.14281027
ADV1009155	8/29/2024	3.862	8/29/2028	112.43634	109.2961837	106.2617539	103.3288955	100.4936431	97.75220907	95.1009752	92.53648353	90.05542852
ADV1009156	8/29/2024	3.808	8/29/2029	116.28011	112.0317473	107.965375	104.0722068	100.3439309	96.77267958	93.3510027	90.07184342	86.92851519
ADV1009168	8/29/2024	4.039	8/31/2026	104.02447	102.9998252	101.9953964	101.0105896	100.0448335	99.09757894	98.16829745	97.25648067	96.36163921
ADV1009169	8/29/2024	3.827	8/29/2029	116.35739	112.1074794	108.0396004	104.1449725	100.415282	96.84265937	93.41965292	90.13920413	86.99462494
ADV1009199	8/30/2024	4.049	8/31/2026	104.0343	103.0095957	102.0051123	101.020252	100.0544435	99.10713736	98.17780533	97.26593894	96.37104879
ADV1009202	8/30/2024	3.898	8/30/2027	108.32929	106.2688126	104.2585353	102.2969185	100.3824793	98.51379047	96.689478	94.90821856	93.16873736
ADV1009206	8/30/2024	4.054	8/31/2026	104.03936	103.0146336	102.010123	101.0252359	100.0594009	99.11206866	98.18271087	97.27081905	96.3759038
ADV1009228	9/3/2024	3.768	9/3/2027	108.26421	106.1903535	104.1672733	102.1934	100.2672258	98.38729943	96.55222432	94.76065571	93.0112985
ADV1009240	9/3/2024	3.792	9/4/2029	116.28342	112.0178256	107.9355906	104.0278301	100.2861425	96.70257667	93.26960502	89.98009887	86.82730497
ADV1009244	9/3/2024	3.868	9/3/2027	108.32068	106.2490196	104.2280298	102.256146	100.3318646	98.45373867	96.62037566	94.8304346	93.08262399
ADV1009248	9/3/2024	3.937	12/16/2026	105.25149	103.9277149	102.6316135	101.3623195	100.119005	98.90087636	97.7071726	96.5371635	95.39014817
ADV1009249	9/3/2024	3.843	12/15/2027	109.47742	107.103555	104.793516	102.5451739	100.3564852	98.22548878	96.15030265	94.1291196	92.16020384
ADV1009261	9/4/2024	4.365	9/4/2025	100.04818	100.0370492	100.0259327	100.0148264	100.0037304	99.9926447	99.98156923	99.97050399	99.95944898
ADV1009270	9/4/2024	4.291	9/4/2025	100.04806	100.0369222	100.0257986	100.0146854	100.0035826	99.99249007	99.98140791	99.97033606	99.9592745
ADV1009271	9/4/2024	4.291	9/4/2025	100.04806	100.0369222	100.0257986	100.0146854	100.0035826	99.99249007	99.98140791	99.97033606	99.9592745
ADV1009291	9/5/2024	3.683	12/5/2028	112.947	109.5201821	106.2167973	103.0316526	99.95980938	96.99656834	94.13745614	91.37821278	88.71477995
ADV1009297	9/5/2024	3.631	9/5/2029	115.94167	111.6715968	107.5854633	103.6743469	99.92980482	96.34384797	92.90891355	89.61784012	86.46384407
ADV1009298	9/5/2024	3.617	9/5/2029	115.88435	111.6154384	107.5304283	103.6204002	99.87691263	96.2919778	92.85803419	89.56792158	86.41485749
ADV1009305	9/5/2024	3.995	3/5/2026	102.02577	101.5062228	100.9919749	100.4829452	99.97905433	99.48022469	98.98638015	98.49744613	98.01334951
ADV1009308	9/5/2024	3.871	9/8/2026	103.95447	102.9078378	101.8823162	100.8772725	99.892097	98.92620413	97.9790311	97.05003687	96.13870106
ADV1009312	9/5/2024	3.873	9/8/2026	103.95654	102.9098989	101.884366	100.8793111	99.89412454	98.92822079	97.98103702	97.0520322	96.14068595
ADV1009314	9/5/2024	3.781	1/5/2028	109.4433	107.0143764	104.6520758	102.3542082	100.1186662	97.94342344	95.82653095	93.76611391	91.76036826
ADV1009332	9/6/2024	4.267	9/8/2025	100.08894	100.0666912	100.0444647	100.0222612	100.0000808	99.97792329	99.95578875	99.93367711	99.91158831
ADV1009336	9/6/2024	3.698	9/8/2026	103.84783	102.8007066	101.7747218	100.7692441	99.78366255	98.81739014	97.8698629	96.94053861	96.02889581
ADV1009337	9/6/2024	3.786	9/4/2026	103.81856	102.7838581	101.7698054	100.7757888	99.8012182	98.84552656	97.90816865	96.9886201	96.08637637
ADV1009353	9/9/2024	3.541	9/10/2029	115.62482	111.3466084	107.2532679	103.3357979	99.58568984	95.9948935	92.55578983	89.26116535	86.10418823
ADV1009354	9/9/2024	3.541	9/10/2029	115.62482	111.3466084	107.2532679	103.3357979	99.58568984	95.9948935	92.55578983	89.26116535	86.10418823
ADV1009355	9/9/2024	3.541	9/10/2029	115.62482	111.3466084	107.2532679	103.3357979	99.58568984	95.9948935	92.55578983	89.26116535	86.10418823

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1009390	9/10/2024	3.564	9/10/2029	115.41258	111.1471842	107.0659334	103.1598762	99.42054434	95.83992511	92.41043461	89.12489223	85.97649699
ADV1009392	9/10/2024	4.128	10/10/2025	100.41805	100.306849	100.1959057	100.085222	99.97479686	99.86462936	99.75471856	99.64506352	99.53566331
ADV1009393	9/10/2024	4.128	10/10/2025	100.41805	100.306849	100.1959057	100.085222	99.97479686	99.86462936	99.75471856	99.64506352	99.53566331
ADV1009394	9/10/2024	3.563	9/10/2029	115.40848	111.1431653	107.0619951	103.156016	99.4167597	95.83621377	92.40679431	89.12132082	85.97299241
ADV1009395	9/10/2024	4.122	10/10/2025	100.41738	100.3061785	100.1952359	100.0845529	99.97412846	99.86396165	99.75405154	99.64439719	99.53499766
ADV1009397	9/10/2024	4.2	9/10/2025	100.108	100.0801948	100.0524163	100.0246681	99.99695014	99.96926245	99.94160495	99.91397757	99.88638028
ADV1009404	9/10/2024	3.947	3/10/2026	102.01734	101.4843807	100.9570064	100.4351248	99.91864998	99.40749816	98.90158713	98.40083638	97.90516707
ADV1009405	9/10/2024	3.947	3/10/2026	102.01734	101.4843807	100.9570064	100.4351248	99.91864998	99.40749816	98.90158713	98.40083638	97.90516707
ADV1009406	9/10/2024	3.947	3/10/2026	102.01734	101.4843807	100.9570064	100.4351248	99.91864998	99.40749816	98.90158713	98.40083638	97.90516707
ADV1009407	9/10/2024	3.95	9/10/2026	104.06021	103.007361	101.9758612	100.9650649	99.97435236	99.00312861	98.0508219	97.11688271	96.20078261
ADV1009409	9/10/2024	3.95	9/10/2026	104.06021	103.007361	101.9758612	100.9650649	99.97435236	99.00312861	98.0508219	97.11688271	96.20078261
ADV1009418	9/11/2024	4.04	12/11/2025	101.07102	100.7871187	100.5048212	100.2241172	99.94499318	99.66743574	99.39143161	99.11696768	98.84403097
ADV1009420	9/11/2024	3.627	3/11/2027	105.8114	104.2509596	102.7215518	101.2223211	99.75244552	98.31113287	96.89761887	95.51116614	94.15106297
ADV1009421	9/11/2024	3.91	3/11/2026	102.00814	101.472438	100.9423777	100.417867	99.89881902	99.38514842	98.87677175	98.37360729	97.87557496
ADV1009423	9/11/2024	3.892	3/11/2026	102.03603	101.4997882	100.9691985	100.4441697	99.92461424	99.41044678	98.90158354	98.39794253	97.89944344
ADV1009445	9/12/2024	4.26	9/12/2025	100.13066	100.0972858	100.0639533	100.0306592	99.99740319	99.96418533	99.93100551	99.89786366	99.86475972
ADV1009446	9/12/2024	3.779	9/14/2026	103.92911	102.8658137	101.8243071	100.8039283	99.80403828	98.82402373	97.86329554	96.9212877	95.99745621
ADV1009447	9/12/2024	3.644	9/13/2027	107.97749	105.880952	103.836151	101.8414756	99.89537277	97.99634943	96.14296897	94.33384901	92.56765881
ADV1009462	9/12/2024	3.629	9/13/2027	107.9465	105.8502872	103.8058067	101.8114454	99.86565062	97.96692933	96.11384514	94.30501582	92.53911078
ADV1009463	9/12/2024	3.626	9/12/2028	111.86904	108.6975495	105.6339555	102.6739766	99.8135236	97.04869334	94.37575904	91.79116124	89.2914992
ADV1009481	9/13/2024	4.073	9/13/2034	132.66761	122.6746899	113.5455528	105.2001687	97.56633904	90.57889095	84.17895939	78.31334627	72.93394768
ADV1009482	9/13/2024	4.294	9/13/2039	145.17016	129.6209727	116.0228823	104.115143	93.67335727	84.50423232	76.44111474	69.34018674	63.07722257
ADV1009483	9/13/2024	4.073	9/15/2025	100.15708	100.115345	100.0736631	100.0320327	99.99045376	99.94892625	99.90745001	99.86602496	99.82465099
ADV1009485	9/13/2024	4.158	9/15/2025	100.15775	100.1160476	100.0743924	100.0327885	99.99123573	99.94973403	99.9082833	99.86688344	99.82553435
ADV1009486	9/13/2024	3.937	3/13/2026	102.04329	101.5019463	100.9663559	100.436431	99.9120816	99.39321998	98.87976004	98.37161754	97.86870995
ADV1009487	9/13/2024	3.722	9/14/2026	103.86869	102.8057201	101.7645416	100.7444864	99.74491546	98.76521565	97.80479794	96.86309644	95.9395672
ADV1009492	9/13/2024	3.58	9/13/2029	115.50848	111.232444	107.1412907	103.2260177	99.47811004	95.88951196	92.4525995	89.16015482	86.00534235
ADV1009493	9/13/2024	3.602	9/13/2028	111.80523	108.6318505	105.5665159	102.6049323	99.7430018	96.97681347	94.30263309	91.71689431	89.2161899
ADV1009494	9/13/2024	3.577	9/13/2027	107.83866	105.7435758	103.7002078	101.7069371	99.76221176	97.86453918	96.01248362	94.20466338	92.43974842
ADV1009495	9/13/2024	4.158	9/15/2025	100.15775	100.1160476	100.0743924	100.0327885	99.99123573	99.94973403	99.9082833	99.86688344	99.82553435
ADV1009496	9/13/2024	3.583	9/13/2027	107.85105	105.755841	103.7123449	101.7189485	99.77409995	97.87630655	96.02413248	94.21619599	92.45116697
ADV1009502	9/13/2024	3.563	9/13/2027	107.80973	105.7149569	103.6718881	101.6789106	99.73447265	97.83708199	95.98530294	94.17775396	92.41310515
ADV1009506	9/13/2024	3.587	6/14/2027	106.83974	105.0065789	103.2139461	101.4606428	99.74551386	98.06744847	96.42537748	94.81827172	93.24514003

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1009507	9/13/2024	3.566	9/13/2027	107.81593	105.7210895	103.6779566	101.6849163	99.74041675	97.84296567	95.99112737	94.18352026	92.41881442
ADV1009508	9/13/2024	3.569	12/13/2027	108.81728	106.45664	104.1593911	101.923414	99.74667375	97.62721856	95.56317557	93.552747	91.59420648
ADV1009545	9/16/2024	3.674	9/16/2026	103.8411	102.7726953	101.7263026	100.7012492	99.69688642	98.71259173	97.74776729	96.80183885	95.87425456
ADV1009546	9/16/2024	3.542	9/16/2027	107.79977	105.6965715	103.6454223	101.6446916	99.69281205	97.78827687	95.92963658	94.11549661	92.3445147
ADV1009547	9/16/2024	3.57	9/18/2028	111.75912	108.5721086	105.4939731	102.520374	99.64716763	96.87039984	94.18629607	91.59125207	89.08182514
ADV1009550	9/16/2024	3.67	9/16/2026	103.83687	102.7684869	101.7221178	100.6970877	99.69274797	98.70847595	97.74367387	96.79776748	95.87020494
ADV1009552	9/16/2024	3.676	9/16/2026	103.84322	102.7747996	101.728395	100.7033299	99.69895564	98.71464961	97.749814	96.80387454	95.87627938
ADV1009561	9/17/2024	4.119	9/17/2025	100.17627	100.1290092	100.0818066	100.0346647	99.98758339	99.94056255	99.89360205	99.84670176	99.79986157
ADV1009579	9/17/2024	3.902	3/24/2026	102.14048	101.5683592	101.0026531	100.4432573	99.8900664	99.34297752	98.80188991	98.26670507	97.73732662
ADV1009583	9/17/2024	4.14	9/17/2025	100.17728	100.1300108	100.0828074	100.0356646	99.98858248	99.94156079	99.89459944	99.84769831	99.80085727
ADV1009588	9/17/2024	4.061	9/17/2025	100.17681	100.1295138	100.0822796	100.0351065	99.98799427	99.94094291	99.89395225	99.84702217	99.80015254
ADV1009589	9/17/2024	3.82	3/17/2026	102.05996	101.5069964	100.9600395	100.4189914	99.88375642	99.35424099	98.83035354	98.31200445	97.799106
ADV1009590	9/17/2024	3.63	9/17/2026	103.88069	102.8081652	101.7578108	100.7289467	99.72091768	98.73309472	97.76487405	96.81567573	95.8849425
ADV1009591	9/17/2024	3.571	9/17/2029	115.51237	111.22467	107.1227542	103.1975601	99.44051366	95.84350415	92.39885674	89.09930636	85.93797362
ADV1009601	9/17/2024	4.143	9/17/2025	100.17742	100.1301539	100.0829503	100.0358075	99.98872521	99.94170339	99.89474192	99.84784067	99.80099952
ADV1009610	9/18/2024	4.149	9/18/2025	100.18787	100.1378265	100.0878487	100.0379366	99.98808991	99.93830865	99.88859265	99.83894176	99.78935587
ADV1009613	9/18/2024	3.635	9/20/2027	108.03818	105.9210938	103.8565662	101.8429465	99.87864516	97.9621344	96.09194492	94.26666337	92.4849297
ADV1009619	9/18/2024	4.172	9/18/2025	100.18903	100.1389865	100.0890077	100.0390946	99.98924692	99.93946468	99.88974769	99.84009583	99.79050895
ADV1009620	9/18/2024	3.927	3/18/2026	102.0907	101.5353429	100.9860383	100.4426905	99.90520262	99.37348014	98.84743038	98.3269627	97.81198837
ADV1009621	9/18/2024	3.762	9/18/2026	103.9575	102.8828339	101.8304246	100.7995826	99.78964915	98.79999206	97.83000438	96.87910323	95.94672856
ADV1009625	9/18/2024	3.596	9/18/2029	115.62563	111.3327229	107.2259006	103.2960805	99.53467089	95.9335447	92.48501179	89.1817929	86.01699531
ADV1009628	9/18/2024	3.804	3/18/2026	102.06151	101.5057644	100.9560887	100.4123803	99.87454206	99.342479	98.81609824	98.29530888	97.78002193
ADV1009629	9/18/2024	3.639	9/18/2026	103.90175	102.8263039	101.7731457	100.7415892	99.73097399	98.7406664	97.77005812	96.81856496	95.8856256
ADV1009631	9/18/2024	3.804	3/18/2026	102.06151	101.5057644	100.9560887	100.4123803	99.87454206	99.342479	98.81609824	98.29530888	97.78002193
ADV1009637	9/18/2024	4.054	9/18/2025	100.18657	100.1364987	100.0864889	100.0365451	99.98666728	99.9368552	99.88710876	99.83742782	99.78781225
ADV1009638	9/18/2024	3.651	9/18/2026	103.91452	102.8389992	101.7857692	100.754142	99.74345699	98.75308065	97.78240458	96.83084456	95.89783926
ADV1009640	9/18/2024	4.045	9/18/2025	100.18612	100.1360448	100.0860354	100.036092	99.98621451	99.93640282	99.88665676	99.8369762	99.78736101
ADV1009641	9/18/2024	3.641	9/18/2026	103.90388	102.8284198	101.7752496	100.7436813	99.73305449	98.74273544	97.77211587	96.82061156	95.88766121
ADV1009656	9/19/2024	4.077	9/19/2025	100.1942	100.141385	100.0886367	100.0359592	99.98335224	99.93081577	99.87834962	99.82595364	99.77362768
ADV1009658	9/19/2024	3.859	3/19/2026	102.06342	101.5053716	100.9534425	100.4075279	99.86752964	99.33335176	98.80490028	98.28208326	97.76481072
ADV1009662	9/19/2024	3.613	9/20/2027	107.99217	105.8755639	103.8115119	101.7983585	99.83451452	97.9184523	96.04870285	94.22385304	92.44254304
ADV1009663	9/19/2024	3.613	9/20/2027	107.99217	105.8755639	103.8115119	101.7983585	99.83451452	97.9184523	96.04870285	94.22385304	92.44254304
ADV1009675	9/19/2024	3.692	11/19/2026	104.61747	103.3648218	102.1422139	100.9485784	99.78289306	98.64418359	97.53152034	96.44401605	95.38082337

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1009678	9/19/2024	3.707	10/19/2026	104.26698	103.1035978	101.9662159	100.8539705	99.76603431	98.70161565	97.65995709	96.64033338	95.64204983
ADV1009680	9/19/2024	4.076	9/19/2025	100.19415	100.1413318	100.0885836	100.0359061	99.9832992	99.93076278	99.87829668	99.82590074	99.77357482
ADV1009688	9/19/2024	3.858	3/19/2026	102.06286	101.5048177	100.9528904	100.4069775	99.86698102	99.33280486	98.80435509	98.28153976	97.7642689
ADV1009728	9/20/2024	3.503	9/20/2027	107.91298	105.7943419	103.7283626	101.713383	99.74780949	97.83010999	95.95881138	94.1324966	92.34980213
ADV1009744	9/23/2024	3.597	10/23/2029	116.29802	111.8829351	107.6629492	103.6283482	99.76995607	96.07910407	92.54759981	89.16769804	85.93207355
ADV1009746	9/23/2024	4.057	9/23/2025	100.23279	100.1688627	100.1050243	100.0412786	99.97762534	99.91406438	99.85059549	99.78721849	99.72393316
ADV1009752	9/23/2024	3.597	9/23/2027	107.99227	105.8671371	103.794902	101.7738978	99.80251981	97.87922545	96.00253174	94.17101229	92.38329475
ADV1009764	9/23/2024	4.064	9/19/2025	100.24674	100.1919594	100.1372536	100.0826211	100.0280618	99.97357565	99.91916238	99.86482188	99.81055401
ADV1009770	9/23/2024	3.596	9/23/2027	107.99018	105.8650659	103.7928527	101.77187	99.80051306	97.87723936	96.0005659	94.16906632	92.38136828
ADV1009789	9/24/2024	3.584	9/24/2027	107.97622	105.8484169	103.7736251	101.750172	99.77644743	97.85090421	95.97205468	94.13846814	92.34876811
ADV1009793	9/24/2024	3.611	3/24/2027	105.93196	104.3349999	102.7701931	101.2366352	99.7334586	98.25982725	96.81493553	95.39800678	94.00829199
ADV1009796	9/24/2024	3.931	9/24/2025	100.23894	100.1721914	100.1055393	100.0389863	99.97253224	99.90617678	99.83991974	99.77376091	99.70770006
ADV1009802	9/24/2024	4.015	9/24/2025	100.2399	100.1731907	100.1065826	100.0400732	99.973662	99.90734896	99.84113381	99.77501635	99.70899634
ADV1009804	9/24/2024	4.022	9/24/2025	100.24037	100.1736586	100.1070502	100.0405403	99.97412876	99.90781532	99.84159978	99.77548191	99.70946151
ADV1009805	9/24/2024	3.791	3/24/2026	102.07625	101.5043154	100.9387995	100.3795926	99.82658954	99.27968723	98.738785	98.20378434	97.67458892
ADV1009813	9/24/2024	3.936	9/24/2025	100.23928	100.1725257	100.1058733	100.0393201	99.97286566	99.90650991	99.84025259	99.77409348	99.70803234
ADV1009833	9/25/2024	4.031	9/25/2025	100.25081	100.181325	100.1119444	100.0426683	99.97349664	99.90442904	99.8354653	99.76660519	99.69784849
ADV1009834	9/25/2024	3.664	9/25/2026	103.93287	102.8387763	101.7677412	100.719041	99.69198202	98.68589869	97.70015268	96.73413131	95.78724628
ADV1009835	9/25/2024	3.941	9/25/2025	100.2494	100.1798705	100.1104443	100.0411232	99.97190695	99.90279539	99.83378826	99.7648853	99.69608629
ADV1009836	9/25/2024	3.705	3/25/2026	102.07732	101.5021172	100.9334072	100.3710774	99.81502069	99.26513242	98.72131017	98.18345384	97.65146549
ADV1009839	9/25/2024	3.939	9/25/2025	100.24926	100.1797313	100.1103052	100.0409842	99.97176812	99.90265669	99.83364967	99.76474683	99.69594793
ADV1009840	9/25/2024	3.701	3/25/2026	102.07503	101.4998359	100.9311334	100.3688109	99.81276156	99.26288054	98.71906549	98.1812163	97.64923503
ADV1009841	9/25/2024	3.577	9/25/2026	103.91515	102.8200277	101.7480057	100.6983575	99.67038743	98.66342851	97.67684082	96.71001025	95.76234713
ADV1009842	9/25/2024	3.585	9/25/2026	103.92381	102.828643	101.7565715	100.7068745	99.67885638	98.67185006	97.68521566	96.71833903	95.77063049
ADV1009853	9/25/2024	3.941	9/25/2025	100.2494	100.1798705	100.1104443	100.0411232	99.97190695	99.90279539	99.83378826	99.7648853	99.69608629
ADV1009857	9/25/2024	3.597	9/25/2026	103.93681	102.841566	101.7694202	100.7196501	99.69155979	98.6844824	97.69777792	96.7308322	95.78305553
ADV1009867	9/26/2024	3.668	9/26/2029	116.00595	111.6820743	107.5463489	103.5895496	99.80295642	96.17832277	92.70784756	89.38414837	86.20023656
ADV1009868	9/26/2024	3.558	9/27/2027	108.10732	105.9666666	103.8795286	101.84421	99.85907917	97.92256814	96.03316982	94.18943505	92.38996989
ADV1009872	9/26/2024	3.719	9/28/2026	104.02727	102.9242482	101.8446386	100.7877036	99.75273384	98.73904923	97.74599761	96.7729532	95.81931531
ADV1009875	9/26/2024	3.644	9/27/2027	108.13614	105.9980946	103.9134509	101.8805129	99.89765376	97.96331049	96.07598044	94.23421874	92.43663552
ADV1009876	9/26/2024	3.64	9/28/2026	104.0182	102.9140848	101.8334275	100.7754849	99.73954592	98.72492877	97.73097975	96.75707158	95.80260214
ADV1009880	9/26/2024	3.727	9/28/2026	104.036	102.9329257	101.853266	100.7962816	99.76126307	98.74753046	97.75443153	96.78134047	95.82765659
ADV1009882	9/26/2024	3.658	9/1/2027	107.93251	105.8529489	103.8251257	101.8473968	99.91818372	98.03596987	96.19929776	94.40676605	92.657027

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1009896	9/26/2024	3.656	9/27/2027	108.16139	106.0230792	103.9381698	101.9049712	99.92185678	97.98726314	96.09968758	94.25768507	92.45986563
ADV1009897	9/26/2024	3.687	9/26/2028	112.20796	108.9909572	105.8843935	102.8838342	99.98505438	97.18402377	94.47689633	91.8600007	89.3298311
ADV1009908	9/27/2024	3.634	9/27/2027	108.11467	105.9768658	103.892459	101.8597533	99.87712204	97.94300234	96.05589171	94.21434537	92.41697356
ADV1009916	9/27/2024	3.624	9/27/2029	115.83353	111.5103057	107.3753434	103.4194099	99.63377435	96.01018056	92.54081854	89.2182977	86.03562196
ADV1009921	9/27/2024	3.546	9/27/2028	112.00746	108.7852957	105.6739612	102.6690045	99.76617824	96.96143108	94.25089729	91.63088702	89.09787715
ADV1009927	9/27/2024	4.059	9/26/2025	100.31586	100.2408916	100.1660382	100.0912998	100.016676	99.94216653	99.86777118	99.79348967	99.71932175
ADV1009930	9/27/2024	3.605	9/27/2027	108.05364	105.9164896	103.8327249	101.8006485	99.81863431	97.88511954	95.99860212	94.1576376	92.36083655
ADV1009933	9/27/2024	3.522	9/27/2027	108.03109	105.8912599	103.8049354	101.7704144	99.78606549	97.85032127	95.96167506	94.11867809	92.31993684
ADV1009935	9/27/2024	3.525	9/27/2027	108.0374	105.8975104	103.8111194	101.7765331	99.7921203	97.8563134	95.96760572	94.12454847	92.32574808
ADV1009937	9/27/2024	3.522	9/27/2027	108.03109	105.8912599	103.8049354	101.7704144	99.78606549	97.85032127	95.96167506	94.11867809	92.31993684
ADV1009938	9/27/2024	3.676	9/29/2028	112.0412	108.8220923	105.7136464	102.7114204	99.81117418	97.00886343	94.30062908	91.68278765	89.15182206
ADV1009939	9/27/2024	3.676	9/22/2028	111.9662	108.7683483	105.679927	102.6965633	99.8140841	97.02850795	94.3360346	91.73303574	89.21604608
ADV1009941	9/27/2024	3.675	9/15/2028	111.88811	108.7115405	105.6431744	102.6787102	99.81404144	97.04524875	94.36859023	91.78049229	89.27754097
ADV1009942	9/27/2024	3.674	9/8/2028	111.81007	108.6547506	105.6064223	102.6608484	99.81398804	97.06198345	94.40115051	91.82796979	89.33907821
ADV1009943	9/27/2024	4.023	9/29/2025	100.28954	100.2089411	100.1284774	100.0481438	99.96794014	99.887866	99.80792112	99.72810518	99.64841788
ADV1009958	9/30/2024	4.053	9/30/2025	100.30171	100.2183419	100.1351152	100.0520255	99.96907238	99.88625554	99.80357466	99.72102941	99.63861948
ADV1009965	9/30/2024	4.056	9/30/2025	100.30196	100.2185916	100.1353647	100.0522748	99.96932147	99.88650442	99.80382333	99.72127787	99.63886774
ADV1009970	9/30/2024	3.7	11/3/2028	112.48281	109.1591169	105.9523886	102.8578031	99.87076998	96.98691712	94.2020788	91.51228446	88.91374818
ADV1009971	9/30/2024	3.7	11/10/2028	112.55801	109.2130587	105.9864127	102.8731654	99.86865007	96.96842333	94.16825301	91.46410638	88.85213937
ADV1009973	9/30/2024	3.7	11/17/2028	112.63321	109.2669799	106.0204003	102.8884831	99.86648439	96.94988913	94.13439792	91.41591531	88.79053854
ADV1009975	9/30/2024	3.7	11/17/2028	112.63321	109.2669799	106.0204003	102.8884831	99.86648439	96.94988913	94.13439792	91.41591531	88.79053854
ADV1009984	9/30/2024	4.102	9/30/2025	100.30579	100.2224204	100.1391903	100.0560972	99.97314071	99.8903205	99.80763625	99.72508765	99.64267436
ADV1009987	9/30/2024	3.6	9/30/2027	108.22977	106.0792609	103.9826468	101.9382131	99.9443115	97.99935834	96.1018317	94.25026837	92.44326112
ADV1009989	9/30/2024	3.6	9/30/2027	108.22977	106.0792609	103.9826468	101.9382131	99.9443115	97.99935834	96.1018317	94.25026837	92.44326112
ADV1010009	10/1/2024	3.613	10/1/2026	104.02714	102.9145921	101.8258552	100.7601715	99.71681415	98.69508649	97.69432062	96.7138759	95.75313755
ADV1010014	10/1/2024	3.62	10/2/2028	112.06549	108.8337366	105.7133914	102.699966	99.78918028	96.97695239	94.25938795	91.63277038	89.09355156
ADV1010017	10/1/2024	3.694	10/1/2026	104.03855	102.9270897	101.8393986	100.7747201	99.73232912	98.71153078	97.71165875	96.73207392	95.77216295
ADV1010020	10/1/2024	4.045	10/1/2025	100.31595	100.2298056	100.1438075	100.0579579	99.97225642	99.88670267	99.80129629	99.71603688	99.63092409
ADV1010021	10/1/2024	3.817	4/1/2026	102.17686	101.5824637	100.9949778	100.4142858	99.84027058	99.27281727	98.71181385	98.1571508	97.60872104
ADV1010023	10/1/2024	3.703	10/1/2026	104.04845	102.9369343	101.8491859	100.784451	99.74200454	98.72115145	97.72122547	96.74158744	95.78162403
ADV1010032	10/30/2024	3.564	10/29/2027	108.31394	106.0855913	103.9145293	101.7988675	99.73680138	97.7265999	95.76660215	93.85521376	91.99090367
ADV1010033	10/30/2024	3.564	10/29/2027	108.31394	106.0855913	103.9145293	101.7988675	99.73680138	97.7265999	95.76660215	93.85521376	91.99090367
ADV1010040	10/2/2024	3.63	10/18/2027	108.34192	106.1436213	104.0012691	101.9130479	99.87721514	97.89209805	95.95609073	94.06765069	92.22529584

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1010081	10/3/2024	4.114	10/10/2025	100.4176	100.3064402	100.1955449	100.0849089	99.97453133	99.86441122	99.75454763	99.64493964	99.5355863
ADV1010084	10/3/2024	3.638	10/4/2027	108.35884	106.1959231	104.087409	102.031555	100.02669	98.07120916	96.16357034	94.3022913	92.48594681
ADV1010086	10/3/2024	3.641	10/3/2029	116.28149	111.9232443	107.7555253	103.7689444	99.9546327	96.30420581	92.80973429	89.46371639	86.25905256
ADV1010107	10/3/2024	3.82	10/5/2026	104.2264	103.102612	102.0030924	100.9270651	99.87378232	98.84252767	97.83261469	96.84338515	95.87420766
ADV1010108	10/3/2024	3.82	10/5/2026	104.2264	103.102612	102.0030924	100.9270651	99.87378232	98.84252767	97.83261469	96.84338515	95.87420766
ADV1010118	10/4/2024	4.004	10/5/2026	104.43075	103.3057374	102.2050176	101.127808	100.0733606	99.04095845	98.02991473	97.03957078	96.06929482
ADV1010124	10/4/2024	3.91	10/4/2027	108.78293	106.6183809	104.5081977	102.4506425	100.444047	98.48680878	96.57738826	94.71430537	92.89613699
ADV1010127	10/4/2024	4.326	10/6/2025	100.39628	100.2962012	100.1963365	100.0966805	99.99723251	99.89799178	99.79895768	99.70012952	99.60150665
ADV1010129	10/4/2024	3.951	10/5/2026	104.45051	103.3242129	102.2222493	101.1438403	100.0882356	99.05471668	98.04259493	97.05121009	96.07992882
ADV1010130	10/4/2024	3.864	10/4/2028	113.08668	109.8277647	106.6813342	103.6428442	100.7079657	97.87257061	95.13272122	92.48465982	89.92479948
ADV1010146	10/7/2024	3.988	10/7/2027	108.98402	106.8089862	104.6887223	102.6214701	100.6055439	98.63932451	96.72125651	94.84984494	93.02365255
ADV1010149	10/7/2024	4.086	10/8/2026	104.56051	103.4262714	102.3167064	101.231013	100.168426	99.1282122	98.10966953	97.11212487	96.13493277
ADV1010157	10/7/2024	4.119	7/10/2026	103.48769	102.6105996	101.7484075	100.9007378	100.0672254	99.24751705	98.44127148	97.64815843	96.86785843
ADV1010172	10/8/2024	4.484	10/8/2036	141.57012	129.0597101	117.8337906	107.7513997	98.68781329	90.53259556	83.18789233	76.56693588	70.59273455
ADV1010179	10/8/2024	3.997	10/8/2027	109.01522	106.8370846	104.7138401	102.6437281	100.6250572	98.65620282	96.73560445	94.86176237	93.03323477
ADV1010199	10/9/2024	4.245	10/9/2025	100.42783	100.3193143	100.2110455	100.1030244	99.99525	99.88772145	99.78043787	99.67339837	99.56660206
ADV1010211	10/9/2024	4.122	8/14/2026	103.90556	102.9289607	101.9707692	101.0304644	100.1075481	99.20154054	98.31197925	97.4384187	96.58042926
ADV1010214	10/9/2024	4.281	10/9/2025	100.43176	100.3232391	100.2149663	100.1069412	99.99916278	99.89163025	99.7843427	99.67729923	99.57049897
ADV1010218	10/9/2024	4	10/9/2029	117.53052	113.1382992	108.9381884	104.9207055	101.0768955	97.3982935	93.87689505	90.5051284	87.27582853
ADV1010223	10/10/2024	4.254	10/10/2025	100.43987	100.3285667	100.2175241	100.1067421	99.99621979	99.88595616	99.77595025	99.66620112	99.55670782
ADV1010225	10/10/2024	4.003	10/10/2029	116.91966	112.678526	108.6230463	104.743976	101.0325867	97.4806348	94.08033152	90.82431502	87.7056242
ADV1010250	10/11/2024	3.987	10/13/2026	104.59353	103.4438338	102.3194705	101.2196111	100.1434599	99.09025526	98.05926782	97.04979896	96.06117906
ADV1010259	10/11/2024	3.99	4/11/2029	115.43976	111.6052391	107.9211899	104.3808512	100.9778041	97.70595466	94.5595159	91.53298985	88.6211516
ADV1010279	10/11/2024	4.218	10/14/2025	100.48016	100.3577375	100.2356275	100.1138316	99.99234828	99.87117642	99.75031473	99.62976198	99.50951692
ADV1010330	10/15/2024	3.881	10/15/2027	109.00465	106.804222	104.6596619	102.5691602	100.530981	98.54345807	96.60499146	94.71404417	92.86913922
ADV1010335	10/15/2024	4.22	10/15/2025	100.49089	100.3656599	100.240762	100.1161917	99.99194793	99.8680292	99.74443422	99.62116167	99.49821023
ADV1010339	10/16/2024	3.955	1/18/2028	110.13046	107.6547588	105.2478956	102.9075705	100.6315764	98.41779248	96.26418021	94.16877967	92.12970609
ADV1010340	10/15/2024	4.219	10/15/2025	100.49076	100.3655345	100.2406367	100.1160666	99.99182292	99.86790433	99.74430949	99.62103707	99.49808578
ADV1010352	10/16/2024	4.269	10/16/2025	100.49928	100.3713609	100.2437837	100.1165468	99.98964889	99.86308861	99.73686454	99.61097529	99.4854195
ADV1010353	10/16/2024	4.117	4/16/2026	102.51848	101.8813015	101.2520611	100.6306103	100.0168047	99.41050365	98.81156984	98.2198693	97.63527129
ADV1010402	10/18/2024	4.299	10/20/2025	100.54742	100.4083762	100.2697282	100.1314776	99.99362244	99.85616111	99.71909186	99.58241299	99.44612278
ADV1010403	10/18/2024	4.038	10/19/2026	104.64767	103.4819603	102.3422881	101.2277878	100.1376309	99.07102501	98.02721183	97.00546532	96.00508999
ADV1010404	10/18/2024	4.141	4/20/2026	102.57793	101.9294563	101.2891995	100.6570021	100.0327123	99.41618217	98.80726745	98.20582741	97.61172478

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1010445	10/21/2024	4.121	4/21/2026	102.62104	101.9690579	101.3253792	100.6898436	100.062297	99.44258908	98.83057345	98.22610723	97.62905113
ADV1010446	10/21/2024	4.363	9/22/2025	100.29369	100.2302701	100.1669386	100.1036972	100.0405459	99.97748435	99.91451243	99.85162995	99.78883669
ADV1010449	10/21/2024	3.958	10/21/2027	109.24232	107.0226401	104.8596148	102.7513944	100.6962078	98.69235565	96.73820651	94.8321938	92.97281255
ADV1010450	10/21/2024	4.021	10/21/2026	104.73522	103.562107	102.4153401	101.2940361	100.1973526	99.12448409	98.07465987	97.04714223	96.04122464
ADV1010451	10/21/2024	4.34	10/21/2025	100.56374	100.4219062	100.2804832	100.139472	99.99887093	99.85867813	99.71889179	99.5795101	99.44053128
ADV1010455	10/21/2024	4.042	10/21/2027	109.26691	107.0500321	104.8896793	102.7840086	100.7312546	98.72972297	96.77778732	94.87388575	93.01651773
ADV1010470	10/22/2024	4.234	3/30/2026	102.39776	101.8081571	101.2253456	100.649209	100.0796333	99.51650676	98.95972028	98.40916719	97.86474321
ADV1010487	10/23/2024	4.191	7/23/2026	103.70248	102.788172	101.8900265	101.0076144	100.1405241	99.28835874	98.45073469	97.62728153	96.81764131
ADV1010488	10/23/2024	4.143	10/23/2026	104.82057	103.6425362	102.4910595	101.365245	100.2642407	99.18723195	98.13343924	97.1021167	96.09255006
ADV1010507	10/23/2024	4.276	10/23/2025	100.58686	100.439343	100.2922739	100.1456478	99.99946285	99.8537169	99.70840798	99.56353408	99.41909322
ADV1010522	10/25/2024	4.07	10/15/2027	109.25398	107.0538773	104.9095618	102.8192321	100.7811565	98.79367255	96.85518377	94.9641566	93.11911723
ADV1010530	10/25/2024	4.072	10/25/2027	109.38046	107.1512549	104.9790853	102.8620878	100.7984733	98.78652584	96.82459811	94.91110866	93.04453843
ADV1010541	10/25/2024	4.141	10/25/2029	109.26022	107.0452258	104.9012433	102.825401	100.8149607	98.86731487	96.9799793	95.1505865	93.37687932
ADV1010543	10/25/2024	4.153	10/26/2026	104.87166	103.6848778	102.5250272	101.3912008	100.2825286	99.19817918	98.13735748	97.09930271	96.08328662
ADV1010586	10/29/2024	4.219	10/29/2026	104.98852	103.7925676	102.6239347	101.4816955	100.3649623	99.27288659	98.20465731	97.15949858	96.13666789
ADV1010587	10/29/2024	4.204	10/29/2027	109.71829	107.4742496	105.2878122	103.1570888	101.0802657	99.055603	97.08143148	95.15614855	93.27821531
ADV1010594	10/29/2024	4.246	10/1/2029	116.71965	112.7468563	108.9434098	105.3010152	101.8118353	98.46846249	95.26389297	92.19150168	89.24501965
ADV1010598	10/29/2024	4.188	10/29/2031	115.54022	111.7464305	108.1338346	104.6920714	101.411448	98.28289601	95.29792651	92.44858943	89.72743546
ADV1010603	10/30/2024	4.18	10/30/2029	118.52268	114.050261	109.7754364	105.6883511	101.7797	98.04069396	94.46302773	91.03885042	87.76073783
ADV1010604	10/30/2024	4.127	10/30/2026	104.97687	103.7769079	102.6044411	101.4585347	100.3382928	99.24285926	98.17141585	97.12317987	96.09740238
ADV1010613	10/30/2024	4.207	10/30/2028	114.24183	110.8971517	107.6696778	104.5545977	101.5473262	98.64349548	95.83894311	93.12970103	90.51198509
ADV1010632	10/31/2024	4.195	10/31/2029	118.26397	113.9225384	109.7732687	105.8064765	102.0130277	98.38430214	94.91216179	91.58892016	88.40731451
ADV1010643	10/31/2024	4.363	1/30/2026	101.76559	101.3415269	100.9209958	100.5039537	100.0903573	99.6801642	99.27333238	98.86982071	98.46958868
ADV1010651	10/31/2024	4.321	10/31/2025	100.68342	100.5136235	100.3443982	100.1757412	100.0076494	99.84012002	99.67315035	99.50673754	99.34087884
ADV1010655	10/31/2024	4.239	10/30/2026	105.02525	103.8262565	102.6547174	101.5096953	100.3902962	99.29566612	98.22498859	97.17748269	96.15240117
ADV1010656	11/1/2024	4.228	11/1/2029	118.75451	114.2715478	109.9868133	105.8904062	101.9729831	98.22571933	94.64027667	91.20877355	87.92375723
ADV1010689	11/1/2024	4.324	11/3/2025	100.72382	100.5456566	100.3681267	100.1912281	100.0149574	99.83931109	99.66428598	99.48987871	99.31608599
ADV1010704	11/4/2024	4.171	12/15/2026	105.6388	104.3131458	103.0155037	101.7449911	100.5007595	99.28199579	98.08792093	96.91778769	95.77087921
ADV1010711	11/8/2024	4.255	6/15/2027	108.06489	106.2174949	104.4109594	102.6440722	100.9156725	99.22464326	97.56990951	95.95043608	94.36522587
ADV1010761	11/7/2024	4.317	11/9/2026	105.25646	104.0278247	102.8279767	101.6559098	100.5106658	99.39133	98.29702911	97.22692856	96.18023062
ADV1010774	11/7/2024	4.321	11/9/2026	105.26129	104.0326275	102.832749	101.6606521	100.5153786	99.39601384	98.30168438	97.23155571	96.18483007
ADV1010775	11/7/2024	4.274	11/8/2027	110.00484	107.7291706	105.5124757	103.3527971	101.2482579	99.19705902	97.19747511	95.24785085	93.34659746
ADV1010794	11/8/2024	4.27	11/8/2027	109.99595	107.7203807	105.5037842	103.344202	101.2397572	99.18865081	97.18915757	95.23962219	93.33845594

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1010801	11/8/2024	4.385	4/9/2026	102.60686	101.9888	101.3782018	100.7749316	100.1788579	99.58985222	99.00778909	98.43254605	97.86400352
ADV1010815	11/13/2024	4.286	10/1/2029	118.63116	114.2389401	110.0377355	106.0181665	102.1713717	98.48897234	94.96304291	91.5860841	88.35099739
ADV1010859	11/12/2024	4.402	11/12/2027	110.3421	108.0511359	105.8197628	103.6459892	101.527911	99.46370321	97.45161611	95.48997134	93.57715839
ADV1010912	11/14/2024	4.371	11/14/2025	100.86027	100.6513816	100.4433695	100.2362319	100.0299632	99.8245578	99.62001024	99.41631505	99.21346685
ADV1010939	11/15/2024	4.383	11/15/2027	110.33907	108.0395427	105.7999993	103.6184365	101.492931	99.42164005	97.40279708	95.4347079	93.51574706
ADV1010947	11/15/2024	4.391	10/20/2026	105.06794	103.8968536	102.7519728	101.6324208	100.5373622	99.4659983	98.41756471	97.39132964	96.38659218
ADV1010982	11/18/2024	4.362	11/18/2025	100.90515	100.6850864	100.4660014	100.2478838	100.0307272	99.81452505	99.59927107	99.38495893	99.17158239
ADV1011003	11/19/2024	4.354	11/19/2025	100.91501	100.692164	100.4703146	100.2494563	100.0295822	99.81068579	99.59276045	99.37579965	99.15979692
ADV1011013	11/19/2024	4.412	5/19/2026	103.10131	102.3703636	101.6498079	100.9394235	100.2389958	99.54831587	98.86718104	98.19539399	97.53276285
ADV1011015	11/19/2024	4.448	11/19/2025	100.92051	100.697817	100.476121	100.2554134	100.0356875	99.81693687	99.59915484	99.38233494	99.16647076
ADV1011018	11/19/2024	4.357	11/19/2026	105.43929	104.1812595	102.95336	101.7545203	100.5837159	99.43996994	98.32235075	97.22996886	96.16197486
ADV1011019	11/19/2024	4.313	11/19/2027	110.23393	107.9241312	105.6748358	103.4840074	101.349698	99.27004146	97.24324943	95.26760705	93.34146941
ADV1011040	11/20/2024	4.303	11/20/2026	105.47375	104.2113112	102.9792027	101.7763371	100.6016809	99.45424839	98.33309971	97.2373377	96.1661057
ADV1011071	11/21/2024	4.492	11/4/2025	100.79606	100.608482	100.4215873	100.2353682	100.0498211	99.8649424	99.68072837	99.49717545	99.31428006
ADV1011077	11/21/2024	4.823	12/15/2042	147.71737	133.7003355	121.4636731	110.7527047	101.351827	93.07821544	85.77658022	79.31479437	73.5802455
ADV1011092	11/22/2024	4.417	12/30/2025	101.43038	101.0928482	100.7575643	100.4245041	100.0936455	99.76496682	99.4384465	99.11406336	98.79179645
ADV1011101	11/22/2024	4.419	11/24/2025	100.98883	100.7520077	100.5163063	100.2817162	100.0482295	99.81583838	99.58453508	99.35431194	99.12516137
ADV1011108	11/25/2024	4.464	10/26/2026	105.23518	104.0461398	102.8840651	101.7480493	100.6372217	99.55075003	98.48783826	97.44772483	96.42968069
ADV1011109	11/25/2024	4.439	1/25/2027	106.43574	105.0014148	103.5935995	102.2116172	100.8548175	99.5225716	98.21427101	96.92932702	95.66716975
ADV1011110	11/25/2024	4.414	5/25/2027	108.05953	106.2713228	104.5216689	102.8093832	101.1333326	99.49243033	97.88563359	96.31194107	94.77039101
ADV1011135	11/25/2024	4.533	10/24/2025	100.67241	100.5167388	100.3615485	100.2068319	100.0525869	99.89881118	99.74550269	99.59265926	99.44027876
ADV1011162	11/25/2024	4.483	11/25/2025	100.99899	100.7595509	100.5212565	100.284095	100.0480585	99.81313882	99.57932806	99.34661838	99.11500198
ADV1011163	11/25/2024	4.303	11/24/2027	110.27583	107.9512316	105.6878241	103.4835346	101.3363827	99.24447182	97.20598493	95.21918019	93.28238722
ADV1011238	11/27/2024	4.257	11/29/2027	110.23568	107.897235	105.6206444	103.4038071	101.2447107	99.1414286	97.09211522	95.09500206	93.14839355
ADV1011274	11/29/2024	4.275	11/30/2026	105.48377	104.1944431	102.9367312	101.709484	100.511603	99.34204209	98.19980438	97.0839392	95.99353962
ADV1011275	11/29/2024	4.209	11/29/2027	110.12622	107.7890422	105.5136931	103.2980714	101.1401656	99.03804972	96.989879	94.99388555	93.04837447
ADV1011292	12/2/2024	4.237	12/4/2028	114.77545	111.3211906	107.9909872	104.7796276	101.6821528	98.6938441	95.81020995	93.02697302	90.34005857
ADV1011313	12/2/2024	4.377	12/2/2025	101.07782	100.8186785	100.5608688	100.3043796	100.0492009	99.79532251	99.54273457	99.29142722	99.04139072
ADV1011321	12/2/2024	4.457	9/3/2025	100.08056	100.0719605	100.063371	100.0547893	100.0462152	100.0376489	100.0290902	100.0205393	100.0119959
ADV1011380	12/5/2024	4.386	11/5/2025	100.78478	100.5948042	100.4055277	100.2169473	100.0290592	99.84185961	99.65534468	99.46951063	99.2843537
ADV1011392	12/18/2024	4.187	12/20/2027	110.33679	107.938843	105.6056268	103.3349926	101.1248797	98.97330943	96.87838138	94.8382695	92.85121876
ADV1011393	12/18/2024	4.187	12/20/2027	110.33679	107.938843	105.6056268	103.3349926	101.1248797	98.97330943	96.87838138	94.8382695	92.85121876
ADV1011411	12/6/2024	4.254	12/8/2025	101.11628	100.840406	100.5660465	100.293191	100.0218271	99.75194252	99.48352509	99.21656277	98.95104364

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1011423	12/9/2024	4.266	12/9/2025	101.13135	100.8526702	100.575538	100.299941	100.0258665	99.75330155	99.48223378	99.21265073	98.94454011
ADV1011430	12/9/2024	4.385	9/9/2025	100.14346	100.1176883	100.0919449	100.0662289	100.0405403	100.0148791	99.98924503	99.96363823	99.9380586
ADV1011439	12/9/2024	4.261	12/9/2025	101.12996	100.8512803	100.5741507	100.2985562	100.0244841	99.75192173	99.48085645	99.21127588	98.94316773
ADV1011440	12/9/2024	4.258	12/9/2025	101.12912	100.8504464	100.5733183	100.2977253	100.0236547	99.75109383	99.48003005	99.21045097	98.94234431
ADV1011478	12/11/2024	4.231	12/11/2025	101.14493	100.8606726	100.5780261	100.2969775	100.0175131	99.73961945	99.46328319	99.18849115	98.9152303
ADV1011498	12/12/2024	4.326	12/12/2025	101.16396	100.8771081	100.5918969	100.3083114	100.0263376	99.74596182	99.46717027	99.18994948	98.9142861
ADV1011504	12/12/2024	4.244	12/12/2025	101.16032	100.8732587	100.5878396	100.3040499	100.0218757	99.74130306	99.46231821	99.18490759	98.9090578
ADV1011513	12/12/2024	4.263	12/14/2026	105.65181	104.3297386	103.0358706	101.7693042	100.5291761	99.3146598	98.1249632	96.95932711	95.81702347
ADV1011514	12/12/2024	4.239	12/13/2027	110.37221	107.9932689	105.6781087	103.4245961	101.2306851	99.09441314	97.01389714	94.98732939	93.01297402
ADV1011537	12/13/2024	4.483	12/6/2030	124.20662	118.4422758	112.9885577	107.8269555	102.9401675	98.312013	93.92735297	89.77201717	85.83273678
ADV1011538	12/13/2024	4.486	12/13/2030	124.29382	118.507197	113.0333577	107.85364	102.9505959	98.30790672	93.91030367	89.74349456	85.79409611
ADV1011539	12/13/2024	4.486	12/13/2030	124.29382	118.507197	113.0333577	107.85364	102.9505959	98.30790672	93.91030367	89.74349456	85.79409611
ADV1011540	12/13/2024	4.487	12/20/2030	124.37036	118.5617616	113.0680986	107.8705553	102.9515371	98.29458722	93.88430676	89.70628142	85.74701339
ADV1011555	12/13/2024	4.369	1/13/2026	101.5629	101.1864814	100.812863	100.4420168	100.0739121	99.70851829	99.34580544	98.98574394	98.62830468
ADV1011557	12/13/2024	4.372	2/13/2026	101.94182	101.4784157	101.019233	100.5642172	100.1133118	99.66646092	99.22361004	98.78470544	98.34969438
ADV1011571	12/16/2024	4.316	12/16/2026	105.74643	104.4191758	103.1196458	101.8469754	100.6003354	99.37893113	98.1820003	97.00881162	95.8586631
ADV1011572	12/16/2024	4.36	12/16/2025	101.22101	100.9229573	100.6266746	100.3321453	100.0393538	99.74828464	99.45892247	99.17125223	98.88525901
ADV1011583	12/16/2024	4.309	12/16/2025	101.22647	100.9281752	100.631658	100.3368982	100.0438802	99.75258843	99.46300749	99.17512225	98.8889177
ADV1011591	12/16/2024	4.307	12/16/2025	101.22587	100.927581	100.631065	100.3363063	100.0432895	99.75199881	99.462419	99.17453487	98.88833144
ADV1011712	12/19/2024	4.406	12/11/2025	101.21219	100.9181001	100.6256809	100.3349154	100.0457893	99.75828893	99.47240035	99.18810998	98.90540436
ADV1011714	12/19/2024	4.391	12/10/2026	105.76476	104.4509584	103.1663534	101.9099708	100.6808786	99.47818598	98.30104093	97.14862817	96.02016713
ADV1011739	12/20/2024	4.365	12/21/2026	105.87555	104.5360972	103.2231706	101.9359919	100.6738182	99.43593508	98.2216558	97.0303196	95.86129056
ADV1011749	12/20/2024	4.385	12/22/2025	101.29982	100.9849763	100.6721051	100.3611832	100.0521923	99.74511454	99.43993195	99.13662699	98.83518229
ADV1011862	12/27/2024	4.32	6/29/2026	103.58376	102.7360013	101.9021401	101.0818394	100.27477	99.48061336	98.69906123	97.92981495	97.17258529
ADV1011868	12/27/2024	4.326	6/29/2026	103.58879	102.7410097	101.9071257	101.0868024	100.2797107	99.48553205	98.70395812	97.93469028	97.1774393
ADV1011882	12/30/2024	4.383	12/31/2029	120.47017	115.7673847	111.2794425	106.9953936	102.9049026	98.99821057	95.26609975	91.69986096	88.29126289
ADV1011884	12/30/2024	4.361	5/13/2026	102.99058	102.2768015	101.5729441	100.8788006	100.1941706	99.51885902	98.85267617	98.19543749	97.54696336
ADV1011885	12/30/2024	4.356	5/13/2026	102.98704	102.2732764	101.5694327	100.8753028	100.1906863	99.51538805	98.84921843	98.19199285	97.5435317
ADV1011886	12/30/2024	4.362	4/15/2026	102.65944	102.024606	101.3976407	100.7784015	100.1667457	99.56253436	98.96563195	98.3759061	97.79322767
ADV1011887	12/30/2024	4.362	4/15/2026	102.65944	102.024606	101.3976407	100.7784015	100.1667457	99.56253436	98.96563195	98.3759061	97.79322767
ADV1011888	12/30/2024	4.348	7/15/2026	103.74466	102.852471	101.9756772	101.1138772	100.2666881	99.43373996	98.61467525	97.80914832	97.01682491
ADV1011889	12/30/2024	4.348	7/15/2026	103.74466	102.852471	101.9756772	101.1138772	100.2666881	99.43373996	98.61467525	97.80914832	97.01682491
ADV1011890	12/30/2024	4.345	8/12/2026	104.092	103.1200481	102.1663	101.2302497	100.3114069	99.40929968	98.52347291	97.65348802	96.79892204

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1011891	12/30/2024	4.345	8/12/2026	104.092	103.1200481	102.1663	101.2302497	100.3114069	99.40929968	98.52347291	97.65348802	96.79892204
ADV1011892	12/30/2024	4.341	10/14/2026	104.92488	103.7716174	102.6437954	101.540579	100.461168	99.40479655	98.37073148	97.35827038	96.36674009
ADV1011893	12/30/2024	4.341	10/14/2026	104.92488	103.7716174	102.6437954	101.540579	100.461168	99.40479655	98.37073148	97.35827038	96.36674009
ADV1011903	12/30/2024	4.364	9/15/2025	100.20389	100.1610272	100.1182175	100.0754605	100.032756	99.99010399	99.94750437	99.90495704	99.86246188
ADV1011904	12/30/2024	4.357	10/15/2025	100.53586	100.4069636	100.2784051	100.1501832	100.0222965	99.89474362	99.76752327	99.64063408	99.51407472
ADV1011905	12/30/2024	4.357	11/14/2025	100.87867	100.6633142	100.4488636	100.235314	100.0226596	99.81089474	99.60001379	99.39001114	99.18088124
ADV1011906	12/30/2024	4.43	12/29/2028	115.72554	112.1849682	108.7736534	105.4861923	102.3174338	99.26246835	96.316616	93.47541377	90.7346047
ADV1011916	12/30/2024	4.291	12/30/2027	110.87733	108.4416661	106.0724099	103.767383	101.5244911	99.34172085	97.2171356	95.14887231	93.13513825
ADV1011920	12/30/2024	4.273	6/30/2026	103.55614	102.7057362	101.8693171	101.0465427	100.2370808	99.44061014	98.65681949	97.88540762	97.12608273
ADV1011926	12/30/2024	4.262	12/30/2026	105.94994	104.5881283	103.2507038	101.9370638	100.6466216	99.37880963	98.13307844	96.90889607	95.70574736
ADV1011927	12/30/2024	4.291	12/30/2027	110.87733	108.4416661	106.0724099	103.767383	101.5244911	99.34172085	97.2171356	95.14887231	93.13513825
ADV1011953	12/31/2024	4.577	9/13/2030	123.78552	118.2764164	113.0532122	108.0994796	103.3998204	98.93979842	94.70587392	90.68534324	86.86628277
ADV1011954	12/31/2024	4.577	9/13/2030	123.78552	118.2764164	113.0532122	108.0994796	103.3998204	98.93979842	94.70587392	90.68534324	86.86628277
ADV1011955	12/31/2024	4.579	9/20/2030	123.87573	118.3436567	113.0995535	108.1268189	103.4099002	98.93421933	94.68610623	90.65273774	86.82208046
ADV1011956	12/31/2024	4.579	9/20/2030	123.87573	118.3436567	113.0995535	108.1268189	103.4099002	98.93421933	94.68610623	90.65273774	86.82208046
ADV1011964	12/31/2024	4.347	7/14/2027	108.62028	106.6863795	104.7968258	102.9503414	101.1456915	99.38168441	97.65717024	95.9710388	94.32221811
ADV1011966	12/31/2024	4.347	7/14/2027	108.62028	106.6863795	104.7968258	102.9503414	101.1456915	99.38168441	97.65717024	95.9710388	94.32221811
ADV1011968	12/31/2024	4.35	8/10/2027	108.98294	106.9709586	105.006743	103.0888614	101.2159379	99.38664702	97.59971105	95.85389835	94.1480212
ADV1011969	12/31/2024	4.35	8/10/2027	108.98294	106.9709586	105.006743	103.0888614	101.2159379	99.38664702	97.59971105	95.85389835	94.1480212
ADV1011970	12/31/2024	4.35	8/10/2027	108.98294	106.9709586	105.006743	103.0888614	101.2159379	99.38664702	97.59971105	95.85389835	94.1480212
ADV1011974	12/31/2024	4.248	12/31/2026	105.9441	104.5800571	103.2401617	101.9238252	100.630479	99.35957225	98.11057128	96.88295893	95.67623395
ADV1011979	12/31/2024	4.341	12/31/2025	101.39197	101.0520041	100.7143188	100.3788864	100.0456845	99.71469095	99.3858839	99.05924177	98.73474325
ADV1009328	1/16/2025	3.548	2/5/2027	105.29334	103.8362218	102.406583	101.0037106	99.62691799	98.27554169	96.94894012	95.64649291	94.36759994
ADV1009592	1/17/2025	3.644	1/20/2026	101.36199	100.9666364	100.5743742	100.1851704	99.79898915	99.4157952	99.03555387	98.658231	98.28379297
ADV1009593	1/17/2025	3.43	1/19/2027	104.93999	103.5330765	102.151905	100.7958305	99.46422779	98.15649212	96.87203812	95.61029918	94.37072661
ADV1011076	1/30/2025	4.562	1/30/2032	129.04817	121.9143218	115.2365795	108.9831915	103.1247805	97.63415159	92.48612043	87.65735421	83.12622673
ADV1011669	1/2/2025	4.337	1/2/2030	119.95786	115.2703835	110.7971715	106.5273036	102.4504678	98.55692734	94.83748572	91.28345388	87.88661978
ADV1011670	1/2/2025	4.337	1/2/2030	119.95786	115.2703835	110.7971715	106.5273036	102.4504678	98.55692734	94.83748572	91.28345388	87.88661978
ADV1011671	1/2/2025	4.337	1/2/2030	119.95786	115.2703835	110.7971715	106.5273036	102.4504678	98.55692734	94.83748572	91.28345388	87.88661978
ADV1012359	1/15/2025	4.358	12/15/2025	101.24143	100.9367949	100.6339566	100.3328979	100.033603	99.73605624	99.44024228	99.14614593	98.85375215
ADV1012847	1/31/2025	4.294	1/29/2027	106.27958	104.8355353	103.418358	102.0273621	100.6618845	99.32128396	98.00494021	96.71225324	95.44264236
ADV1012503	1/21/2025	4.35	12/22/2025	101.32179	100.9970815	100.6744063	100.3537458	100.0350812	99.71839385	99.40366527	99.09087728	98.78001191
ADV1012768	1/29/2025	4.263	1/31/2028	111.21522	108.6864144	106.228851	103.8401224	101.5179134	99.26000113	97.06424986	94.92860768	92.85110245

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1012843	1/31/2025	4.315	1/30/2026	101.77804	101.3403205	100.9062555	100.4758023	100.0489162	99.62555292	99.20566914	98.78922216	98.37616997
ADV1012642	1/24/2025	4.241	1/26/2026	101.69644	101.2832921	100.8735134	100.4670576	100.0638845	99.66395427	99.26722788	98.87366682	98.48323326
ADV1012498	1/21/2025	4.373	10/21/2025	100.60242	100.4566243	100.3112546	100.1663086	100.0217845	99.87768039	99.73399443	99.59072477	99.44786956
ADV1012254	1/13/2025	4.414	10/14/2025	100.52971	100.4038395	100.2782942	100.153071	100.0281685	99.90358552	99.77932073	99.65537289	99.53174073
ADV1012361	1/15/2025	4.327	1/15/2026	101.57136	101.189361	100.8102478	100.4339889	100.0605521	99.68990556	99.32201794	98.95685838	98.59439647
ADV1012605	1/23/2025	4.327	1/23/2026	101.66694	101.2625143	100.8613203	100.4633149	100.0684602	99.67671876	99.28805374	98.90242892	98.51980861
ADV1012604	1/23/2025	4.345	11/24/2025	100.98775	100.7441741	100.5017516	100.2604718	100.0203266	99.78130815	99.54340837	99.30661942	99.07093352
ADV1012395	1/16/2025	4.377	1/19/2027	106.27118	104.8544685	103.463668	102.0981288	100.7572213	99.44033634	98.14688443	96.87629489	95.62801517
ADV1012452	1/17/2025	4.371	10/17/2025	100.55744	100.4230634	100.2890523	100.1554058	100.0221224	99.88920058	99.75663882	99.62443563	99.49258949
ADV1012153	1/10/2025	4.442	1/10/2028	111.20704	108.7403781	106.3416521	104.0086157	101.739109	99.53105549	97.38245871	95.2913985	93.25602766
ADV1012650	1/24/2025	4.503	1/24/2030	120.95267	116.1807191	111.6293893	107.2873005	103.1437153	99.18850286	95.41210131	91.80548299	88.36012182
ADV1012751	1/29/2025	4.291	1/29/2026	101.72352	101.3023273	100.8846198	100.4703577	100.0594983	99.65199991	99.2478214	98.8469223	98.44926282
ADV1012226	1/10/2025	4.459	1/11/2027	106.28178	104.8868231	103.51703	102.1717733	100.8504498	99.55247517	98.27728404	97.0243287	95.7930786
ADV1012826	2/3/2025	4.332	2/3/2028	111.24866	108.7142943	106.2514968	103.8578374	101.5309851	99.26870157	97.06883694	94.92932575	92.84818309
ADV1012846	1/31/2025	4.301	7/31/2026	103.89829	102.9607727	102.0402029	101.1361274	100.2481053	99.37571148	98.51853574	97.67618203	96.84826801
ADV1012505	1/21/2025	4.31	1/21/2026	101.63612	101.2373296	100.8416774	100.4491294	100.0596488	99.6731997	99.28974671	98.90925494	98.53169006
ADV1012401	1/16/2025	4.532	1/16/2030	120.98717	116.2372685	111.7059604	107.382021	103.2548571	99.31447095	95.5514238	91.95680185	88.52218432
ADV1012221	1/10/2025	4.524	10/25/2027	110.36968	108.1295387	105.9466576	103.8191639	101.7452627	99.72323174	97.75141809	95.82823473	93.95215729
ADV1012152	1/10/2025	4.442	1/10/2028	111.20704	108.7403781	106.3416521	104.0086157	101.739109	99.53105549	97.38245871	95.2913985	93.25602766
ADV1012086	1/6/2025	4.349	9/8/2025	100.126	100.1031764	100.0803758	100.0575989	100.0348455	100.0121158	99.98940955	99.9667268	99.9440675
ADV1012373	1/15/2025	4.361	12/11/2025	101.19437	100.9013342	100.6099565	100.3202264	100.0321301	99.74565358	99.46078316	99.17750526	98.89580647
ADV1012398	1/16/2025	4.544	1/16/2030	121.0407	116.2896144	111.7571692	107.432131	103.3039047	99.36249117	95.59845022	92.00286666	88.5673184
ADV1012298	1/14/2025	4.361	1/14/2026	101.57211	101.192884	100.8165068	100.4429429	100.0721607	99.70412909	99.33881743	98.97619548	98.61623346
ADV1012610	1/23/2025	4.326	1/23/2026	101.66653	101.2621125	100.8609194	100.462915	100.0680613	99.6763208	99.28765674	98.90203286	98.5194135
ADV1012501	1/21/2025	4.364	11/21/2025	100.95788	100.7228765	100.4889451	100.2560818	100.0242794	99.79353055	99.56382801	99.33516464	99.10753336
ADV1012394	1/16/2025	4.327	1/16/2026	101.58331	101.1985049	100.8166308	100.4376523	100.0615365	99.68825081	99.31776329	98.9500424	98.58505708
ADV1012057	1/2/2025	4.35	11/28/2025	101.03852	100.7827563	100.5282543	100.2750004	100.0229853	99.77220014	99.5226358	99.27428346	99.0271343
ADV1012722	1/28/2025	4.291	1/28/2026	101.71151	101.2931261	100.8781853	100.4666465	100.0584679	99.65360862	99.25202815	98.85368677	98.45854539
ADV1012427	1/16/2025	4.327	7/16/2026	103.74086	102.8458458	101.9663167	101.101875	100.2521342	99.416721	98.59527454	97.78744605	96.99289832
ADV1012550	1/22/2025	4.357	1/22/2027	106.28086	104.8558726	103.4570866	102.0838383	100.7354881	99.41141717	98.11102686	96.83373768	95.57898866
ADV1012431	1/16/2025	4.348	10/16/2025	100.54314	100.4116409	100.2804917	100.1496928	100.0192425	99.88913957	99.75938247	99.62996981	99.50090016
ADV1012611	1/23/2025	4.289	7/23/2026	103.85513	102.9391889	102.0394412	101.1554641	100.286845	99.43318546	98.59410092	97.76921984	96.95818321
ADV1012706	1/28/2025	4.292	1/28/2027	106.2643	104.8230815	103.4086378	102.0202822	100.6573551	99.3192183	98.00525477	96.7148674	95.44747833

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1012228	1/10/2025	4.541	1/10/2028	111.44449	108.9749421	106.5733944	104.2375967	101.9653872	99.75468786	97.60350039	95.50990308	93.47204718
ADV1012087	1/3/2025	4.464	1/3/2030	120.53115	115.828322	111.3404347	107.0565285	102.9662567	99.05985022	95.32808213	91.76223486	88.35406957
ADV1012510	1/21/2025	4.391	9/22/2025	100.2783	100.2155491	100.1528845	100.0903092	100.0278229	99.96542548	99.90311674	99.84089649	99.77876452
ADV1012397	1/16/2025	4.504	1/16/2029	116.20803	112.6085545	109.1421702	105.8032458	102.586419	99.48658214	96.49886823	93.61863841	90.84147006
ADV1012775	1/30/2025	4.239	1/31/2028	111.15589	108.6278159	106.1709735	103.7829495	101.4614295	99.20419063	97.00909797	94.87409999	92.79722502
ADV1012531	1/21/2025	4.36	12/9/2025	101.16917	100.8821279	100.596684	100.3128218	100.0305281	99.74978976	99.47059394	99.19292786	98.91677889
ADV1012566	1/22/2025	4.364	7/23/2026	103.85923	102.9441617	102.0452582	101.1620974	100.2942676	99.44137145	98.60302536	97.77885869	96.96851333
ADV1012059	1/2/2025	4.345	12/29/2025	101.40677	101.0609745	100.7174701	100.3762297	100.037231	99.70045217	99.36587135	99.03346713	98.70321834
ADV1012302	1/14/2025	4.461	11/16/2026	105.52673	104.2765976	103.0562064	101.8645047	100.7004876	99.56319675	98.45171764	97.36517706	96.30274086
ADV1012581	1/22/2025	4.234	1/22/2026	101.64569	101.2437731	100.8450436	100.4494668	100.0570053	99.66762232	99.28128152	98.89794725	98.51758438
ADV1012396	1/16/2025	4.443	1/18/2028	111.3117	108.8215292	106.4005055	104.0463247	101.7567707	99.52971372	97.36310684	95.25498203	93.20344668
ADV1012774	1/30/2025	4.391	1/30/2030	120.51973	115.7403064	111.1827241	106.8354946	102.6877843	98.72937379	94.95061955	91.34241885	87.89617647
ADV1012825	2/3/2025	4.332	2/3/2028	111.24866	108.7142943	106.2514968	103.8578374	101.5309851	99.26870157	97.06883694	94.92932575	92.84818309
ADV1012117	1/6/2025	4.52	1/7/2030	120.82636	116.1056615	111.6011449	107.3017579	103.1970736	99.27724864	95.53298713	91.95550747	88.53651136
ADV1012374	1/15/2025	4.371	12/10/2026	105.73955	104.4259118	103.14147	101.8852463	100.6563091	99.45376758	98.27677001	97.12450121	95.99618074
ADV1012575	1/22/2025	4.316	1/22/2026	101.65059	101.2489797	100.8505556	100.4552778	100.063109	99.67401264	99.28795245	98.90489294	98.5247991
ADV1012672	1/27/2025	4.303	7/27/2026	103.85167	102.9255201	102.0159272	101.1224496	100.2446611	99.38215076	98.5345217	97.70139071	96.88238768
ADV1012288	1/14/2025	4.352	1/14/2026	101.5687	101.1894886	100.8131192	100.4395631	100.0687887	99.70076483	99.33546085	98.97284654	98.61289211
ADV1009275	2/10/2025	3.681	6/12/2026	102.81685	102.0205172	101.2365394	100.4646258	99.70449911	98.95589046	98.21853914	97.49219225	96.77660442
ADV1011667	2/3/2025	4.647	2/1/2035	139.00163	128.3314038	118.610949	109.7495308	101.6655609	94.28563015	87.5436497	81.38008557	75.74127716
ADV1011668	2/3/2025	4.647	2/1/2035	139.00163	128.3314038	118.610949	109.7495308	101.6655609	94.28563015	87.5436497	81.38008557	75.74127716
ADV1012737	2/28/2025	4.332	3/1/2028	111.6008	108.9819501	106.4392121	103.9699218	101.5715283	99.24158515	96.97774611	94.77775985	92.63946563
ADV1012740	2/28/2025	4.418	3/1/2030	121.0219	116.1375846	111.4841083	107.0492909	102.8216619	98.79041375	94.94535989	91.27689586	87.77596287
ADV1012739	2/28/2025	4.418	3/1/2030	121.0219	116.1375846	111.4841083	107.0492909	102.8216619	98.79041375	94.94535989	91.27689586	87.77596287
ADV1013278	2/20/2025	4.355	2/25/2028	111.59483	108.9907175	106.4619054	104.0057753	101.6198159	99.30161844	97.048872	94.8593587	92.73094944
ADV1013496	2/26/2025	4.15	2/28/2028	111.11445	108.5075667	105.9763541	103.5181665	101.1304722	98.8108427	96.55694888	94.36655558	92.23751743
ADV1013132	2/13/2025	4.418	11/10/2025	100.83762	100.6347993	100.432783	100.2315702	100.0311561	99.83153579	99.63270457	99.43465768	99.23739043
ADV1013330	2/21/2025	4.335	2/23/2026	102.0436	101.552154	101.0654434	100.5834042	100.1059693	99.63307289	99.16465038	98.70063842	98.24097487
ADV1012934	2/5/2025	4.277	3/5/2027	106.73934	105.1879255	103.6671729	102.1762446	100.7143362	99.28067148	97.87450172	96.49510408	95.14178066
ADV1013487	2/26/2025	4.205	2/28/2028	111.25386	108.6451936	106.1122357	103.6523417	101.2629783	98.94171629	96.68622517	94.49426882	92.36370087
ADV1012999	2/7/2025	4.289	2/9/2026	101.88855	101.4360294	100.9875347	100.543017	100.1024234	99.66570186	99.23280142	98.80367193	98.37826413
ADV1013086	2/12/2025	4.355	2/12/2026	101.95444	101.4933924	101.036524	100.5837816	100.1351093	99.6904522	99.24975643	98.81296904	98.38003804
ADV1012996	2/10/2025	4.395	2/10/2028	111.49672	108.9384262	106.4529197	104.0377081	101.6904026	99.40871023	97.19042956	95.03344619	92.93572892

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1013100	2/12/2025	4.52	9/27/2028	114.82646	111.5656901	108.4165764	105.3746462	102.4356308	99.59545835	96.8502431	94.19627574	91.63001428
ADV1012993	2/10/2025	4.426	2/12/2029	116.29142	112.6109233	109.0693604	105.6607267	102.3793126	99.21968502	96.17667289	93.2453527	90.42103541
ADV1012953	2/5/2025	4.289	2/7/2028	111.19476	108.6491975	106.1758413	103.7722301	101.4360016	99.16488784	96.9567111	94.80937945	92.72088298
ADV1013087	2/12/2025	4.355	2/12/2026	101.95444	101.4933924	101.036524	100.5837816	100.1351093	99.6904522	99.24975643	98.81296904	98.38003804
ADV1013131	2/13/2025	4.396	1/13/2026	101.60156	101.2137155	100.8287691	100.4466866	100.0674361	99.69098602	99.31730531	98.9463634	98.57813014
ADV1012991	2/10/2025	4.39	2/10/2027	106.58862	105.1065276	103.6526368	102.2262101	100.826536	99.45292722	98.10471942	96.78127046	95.48195939
ADV1012917	2/4/2025	4.348	11/4/2025	100.75537	100.5696712	100.3846483	100.2002943	100.0166055	99.83357843	99.65120938	99.46949482	99.2884312
ADV1013002	2/7/2025	4.296	4/7/2027	107.32429	105.674766	104.0589404	102.4758486	100.9245617	99.40418592	97.91386069	96.45275729	95.02007723
ADV1012954	2/5/2025	4.347	11/5/2025	100.76658	100.5780368	100.3901877	100.2030295	100.0165584	99.83077058	99.64566227	99.46122971	99.27746916
ADV1012964	2/6/2025	4.388	9/8/2025	100.12208	100.0993302	100.0766074	100.0539082	100.0312325	100.0085803	99.98595155	99.9633462	99.94076421
ADV1012997	2/11/2025	4.395	2/11/2028	111.50996	108.9485298	106.4600505	104.042026	101.6920594	99.40785023	97.1871896	95.02795632	92.92811264
ADV1012992	2/10/2025	4.408	2/10/2028	111.52902	108.9703263	106.484423	104.0688232	101.7211379	99.43907401	97.22042969	95.06309037	92.96502461
ADV1013280	2/20/2025	4.352	8/2/2027	108.88346	106.894558	104.9523884	103.0555677	101.2027637	99.39269193	97.62411425	95.89583634	94.20670605
ADV1012874	2/3/2025	4.354	2/3/2026	101.81478	101.3794794	100.9479074	100.5200122	100.0957469	99.67506547	99.25792251	98.84427351	98.43407468
ADV1013135	2/14/2025	4.46	2/14/2029	116.4374	112.7481019	109.1982646	105.7818579	102.4931418	99.32665456	96.27719847	93.33982499	90.50982163
ADV1012919	2/4/2025	4.333	12/4/2025	101.09971	100.8276498	100.55702	100.2878098	100.0200079	99.75360336	99.48858519	99.22494257	98.96266478
ADV1013121	2/13/2025	4.42	2/16/2027	103.32451	102.5575361	101.8038851	101.0631913	100.3351014	99.61927501	98.91538473	98.22311515	97.54216237
ADV1013403	2/24/2025	4.301	1/21/2026	101.65993	101.2496604	100.8426333	100.4388082	100.0381475	99.64061391	99.24617089	98.85478242	98.46641303
ADV1012994	2/11/2025	4.38	2/11/2027	106.58795	105.1028351	103.6460328	102.2168012	100.8144248	99.43821233	98.0874957	96.76162922	95.45998853
ADV1013296	2/20/2025	4.278	2/22/2027	106.69668	105.1756651	103.6842682	102.2217002	100.787197	99.38002117	97.99946065	96.64482763	95.31545753
ADV1013453	2/25/2025	4.142	2/25/2026	102.00647	101.509164	101.0167085	100.529035	100.0460741	99.5677577	99.09401895	98.6247923	98.16001345
ADV1013489	2/26/2025	4.135	2/26/2027	106.53629	105.004414	103.5025958	102.0300214	100.5859105	99.16950964	97.78009197	96.41695534	95.07942157
ADV1012951	2/5/2025	4.288	2/5/2027	106.37025	104.9049593	103.4672874	102.0565204	100.671968	99.31296303	97.97886037	96.6690363	95.38288745
ADV1013005	2/7/2025	4.416	12/17/2029	120.11528	115.4699349	111.0350186	106.7998383	102.7543008	98.88887912	95.19457694	91.66289629	88.28580702
ADV1012942	2/5/2025	4.223	2/5/2026	101.81168	101.3704753	100.9330983	100.4995022	100.0696378	99.6434571	99.22091277	98.80195832	98.38654805
ADV1013096	2/12/2025	4.498	2/12/2030	121.52014	116.6676736	112.042281	107.6321007	103.4259531	99.41329795	95.58419497	91.929266	88.43966055
ADV1012871	2/3/2025	4.341	2/3/2026	101.80913	101.3738504	100.9422929	100.5144121	100.0901611	99.66949385	99.25236501	98.83873004	98.42854514
ADV1013557	2/28/2025	4.218	2/27/2026	102.05936	101.5418318	101.0294141	100.522035	100.0196209	99.52209908	99.02939856	98.5414496	98.05818382
ADV1012952	2/5/2025	4.29	10/5/2026	104.74843	103.6215289	102.5189466	101.4399026	100.3836479	99.34946513	98.3366667	97.34459334	96.37261265
ADV1013000	2/7/2025	4.3	8/7/2026	104.05638	103.0975729	102.1564849	101.2326251	100.325523	99.43472476	98.5597932	97.70030644	96.8558575
ADV1013457	2/25/2025	4.246	2/25/2026	102.02311	101.526173	101.0340753	100.5467509	100.0641304	99.58614609	99.11273122	98.64382048	98.17934977
ADV1013395	2/24/2025	4.304	4/1/2026	102.46174	101.8663798	101.2779406	100.696303	100.1213494	99.55296501	98.99103777	98.43545801	97.88611858
ADV1013093	2/12/2025	4.364	2/12/2026	101.95857	101.4975107	101.0406312	100.5878777	100.1391944	99.69452634	99.25381971	98.81702152	98.3840798

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1013254	2/19/2025	4.374	2/19/2026	102.01473	101.5344617	101.0587209	100.5874484	100.1205813	99.65805784	99.19981751	98.74580088	98.29594962
ADV1012998	2/11/2025	4.426	2/12/2029	116.29125	112.6107512	109.0691816	105.6605416	102.3791216	99.21948854	96.17647126	93.24514625	90.42082445
ADV1013347	2/21/2025	4.402	9/22/2025	100.27397	100.211446	100.1490075	100.086658	100.0243972	99.96222497	99.90014109	99.83814536	99.77623761
ADV1012995	2/11/2025	4.395	2/11/2028	111.50996	108.9485298	106.4600505	104.042026	101.6920594	99.40785023	97.1871896	95.02795632	92.92811264
ADV1013452	2/25/2025	4.222	2/25/2026	102.01125	101.5143431	101.0222795	100.5349889	100.052402	99.57445106	99.10106932	98.63219148	98.16775345
ADV1012944	2/5/2025	4.223	2/5/2026	101.81168	101.3704753	100.9330983	100.4995022	100.0696378	99.6434571	99.22091277	98.80195832	98.38654805
ADV1013327	2/21/2025	4.249	2/22/2028	111.47301	108.8754644	106.3528779	103.9026451	101.5222717	99.20936514	96.96162976	94.7768621	92.65294666
ADV1013136	2/14/2025	4.486	2/14/2030	121.1431	116.3029569	111.689427	107.2906655	103.0955105	99.09343914	95.2745272	91.62941233	88.14925907
ADV1012976	2/6/2025	4.28	2/6/2030	120.45465	115.6449464	111.0597618	106.6874021	102.5168462	98.53770146	94.74016433	91.1149839	87.65342791
ADV1013277	2/20/2025	4.352	3/25/2027	107.11894	105.5094806	103.932433	102.3868853	100.8719616	99.38681794	97.93064135	96.502648	95.10208204
ADV1013142	2/13/2025	4.436	9/15/2025	100.19999	100.1573337	100.1147326	100.072184	100.0296877	99.98724354	99.94485156	99.9025116	99.86022356
ADV1012935	2/5/2025	4.306	1/5/2026	101.47215	101.107518	100.7454407	100.385893	100.0288483	99.6742806	99.32216413	98.97247348	98.62518363
ADV1012888	2/3/2025	4.394	9/3/2025	100.06788	100.0593462	100.0508247	100.0423107	100.0338044	100.0253058	100.0168148	100.0083314	99.99985554
ADV1012945	2/5/2025	4.302	2/5/2026	101.81569	101.3748339	100.9378006	100.5045407	100.0750052	99.64914627	99.22691673	98.80827026	98.39316132
ADV1012950	2/5/2025	4.283	4/5/2027	107.15951	105.5190501	103.9119988	102.3374048	100.7943507	99.28195345	97.79936269	96.34575937	94.92035418
ADV1013095	2/12/2025	4.444	10/21/2025	100.60947	100.4639833	100.3189199	100.1742794	100.0300599	99.88625949	99.74287634	99.59990862	99.45735447
ADV1012943	2/5/2025	4.223	2/5/2026	101.81168	101.3704753	100.9330983	100.4995022	100.0696378	99.6434571	99.22091277	98.80195832	98.38654805
ADV1013279	2/20/2025	4.357	2/20/2026	102.01817	101.5351292	101.0566675	100.5827243	100.1132358	99.64813926	99.18737309	98.7308769	98.27859144
ADV1013494	2/26/2025	4.199	2/26/2030	119.98368	115.1318771	110.5092771	106.1038009	101.9040705	97.89936447	94.07957674	90.43517784	86.95717899
ADV1013089	2/12/2025	4.416	1/14/2026	101.62172	101.2308474	100.8429189	100.4578978	100.0757513	99.69644722	99.31995382	98.94623984	98.57527447
ADV1012882	2/3/2025	4.268	2/3/2026	101.80774	101.3721028	100.9401999	100.5119811	100.0873994	99.66640834	99.2489626	98.83501746	98.42452894
ADV1012873	2/3/2025	4.351	2/3/2026	101.81347	101.3781804	100.9466117	100.5187199	100.0944579	99.67377971	99.25664001	98.84299425	98.43279863
ADV1013134	2/14/2025	4.46	2/14/2029	116.4374	112.7481019	109.1982646	105.7818579	102.4931418	99.32665456	96.27719847	93.33982499	90.50982163
ADV1012962	2/6/2025	4.378	10/6/2025	100.43032	100.3277192	100.2253313	100.1231574	100.0211968	99.91944892	99.81791294	99.71658821	99.61547404
ADV1013055	2/11/2025	4.462	9/25/2029	119.28785	114.8997152	110.7016463	106.684346	102.8390272	99.15737931	95.63153976	92.25406721	89.01791653
ADV1013328	2/21/2025	4.304	2/21/2030	120.75132	115.8876485	111.2530819	106.8355795	102.6237957	98.60703834	94.775227	91.11885512	87.62895418
ADV1013177	2/14/2025	4.386	11/14/2025	100.8776	100.6633496	100.4500031	100.237553	100.0259935	99.81531892	99.6055237	99.39660227	99.18854909
ADV1009311	3/3/2025	3.668	4/3/2026	102.10812	101.5084042	100.9157366	100.3299907	99.75104565	99.17878344	98.61308876	98.05384898	97.50095398
ADV1009444	3/3/2025	3.417	3/12/2027	105.49818	103.9375877	102.4080623	100.9087495	99.43882538	97.99749556	96.58399381	95.19758091	93.8375434
ADV1013398	4/1/2025	4.341	4/1/2030	121.03125	116.0580208	111.3233377	106.8144276	102.5192743	98.42656714	94.52565576	90.80650765	87.259669
ADV1013399	4/1/2025	4.267	3/31/2028	111.81392	109.1086069	106.4836491	103.9361606	101.463382	99.06267052	96.73149505	94.46743	92.2681504
ADV1013400	4/1/2025	4.267	3/31/2028	111.81392	109.1086069	106.4836491	103.9361606	101.463382	99.06267052	96.73149505	94.46743	92.2681504
ADV1013401	4/1/2025	4.253	3/31/2028	111.77717	109.0723416	106.4478587	103.9008345	101.4285096	99.02824187	96.69750026	94.43385958	92.23499512

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1013465	3/17/2025	4.172	3/17/2028	111.39157	108.730785	106.1482649	103.641231	101.207025	98.84309966	96.54701347	94.31642557	92.14909081
ADV1013466	3/17/2025	4.214	3/19/2029	115.98209	112.2035765	108.5712026	105.0785	101.7193199	98.48781998	95.37844713	92.38592125	89.50522034
ADV1013468	3/17/2025	4.216	3/18/2030	120.28842	115.3721707	110.6903788	106.230567	101.9809921	97.93059574	94.06896087	90.3862707	86.87327104
ADV1013478	3/17/2025	4.219	3/18/2030	120.30231	115.3857468	110.7036492	106.2435423	101.9936824	97.94301073	94.08110981	90.39816248	86.88491417
ADV1013479	3/17/2025	4.216	3/19/2029	115.98932	112.2106706	108.5781708	105.0853457	101.7260467	98.49443118	95.38494592	92.39231073	89.51150348
ADV1014920	4/25/2025	3.88	4/26/2027	106.7673	105.0706001	103.4092903	101.7823291	100.1887149	98.62748527	97.09771476	95.5985132	94.12902396
ADV1014337	4/3/2025	3.959	4/3/2026	102.32403	101.7230597	101.1291577	100.5421962	99.96205401	99.38861266	98.82175641	98.26137221	97.70734956
ADV1014411	4/4/2025	3.676	4/4/2028	110.49901	107.7954771	105.1727047	102.6277829	100.157924	97.76045897	95.43283208	93.17259487	90.97740098
ADV1014618	4/15/2025	3.954	4/15/2027	106.75295	105.0875368	103.4564314	101.858644	100.2932187	98.75923555	97.25580977	95.78208951	94.33725447
ADV1014795	4/22/2025	3.888	10/22/2026	104.59426	103.4191965	102.2705885	101.1475492	100.0492305	98.97482183	97.92354763	96.89466556	95.8874648
ADV1014210	3/28/2025	4.011	3/28/2028	111.10257	108.4149554	105.8070553	103.2760183	100.8191121	98.43371998	96.11733524	93.86755545	91.68207759
ADV1014361	4/3/2025	3.853	4/2/2027	106.42699	104.8011702	103.2083634	101.6476342	100.1180798	98.61883147	97.1490522	95.70793569	94.29470476
ADV1014746	4/21/2025	4.441	4/23/2035	127.32149	120.0291783	113.3097039	107.1117029	101.3888227	96.0992003	91.20499766	86.67198823	82.46918851
ADV1014374	4/3/2025	3.746	4/3/2028	110.67241	107.9694416	105.3471427	102.8026025	100.3330393	97.93578996	95.60830388	93.34813763	91.1529495
ADV1015013	4/29/2025	3.821	4/30/2029	115.02911	111.1470047	107.4191239	103.838449	100.3983233	97.0924322	93.91478331	90.85968784	87.92174328
ADV1013958	3/18/2025	4.13	3/18/2027	106.6781	105.0914675	103.5365805	102.0125574	100.5185487	99.05373583	97.61732939	96.20856824	94.82671804
ADV1014364	4/3/2025	4.11	3/28/2031	123.23125	117.1676752	111.448479	106.0521839	100.9587672	96.1495532	91.6071156	87.31518732	83.25857738
ADV1014934	4/25/2025	3.933	10/26/2026	104.61451	103.4293227	102.2710455	101.1387678	100.0316202	98.94877214	97.88942895	96.85283048	95.83824901
ADV1014646	4/16/2025	3.89	11/16/2026	104.91275	103.665261	102.4475005	101.2584175	100.0970065	98.96230834	97.853408	96.76943174	95.70954496
ADV1014957	4/28/2025	4.3	10/28/2025	100.65422	100.4902608	100.3268354	100.1639375	100.0015643	99.83971341	99.67838231	99.51756849	99.35726947
ADV1013608	3/3/2025	4.164	3/3/2026	102.05455	101.5409105	101.0324419	100.5290694	100.0307164	99.53730829	99.04877149	98.56503409	98.08602557
ADV1013830	3/12/2025	4.026	9/14/2026	104.26355	103.1972738	102.1528587	101.1296358	100.1269639	99.14422747	98.18083544	97.23621985	96.30983483
ADV1013641	3/4/2025	4.098	3/4/2027	106.37445	104.829986	103.316004	101.8316732	100.3761953	98.9488004	97.54874555	96.17531347	94.82781154
ADV1014042	3/21/2025	4.023	3/14/2028	110.97027	108.3233426	105.7541386	103.2599047	100.8380068	98.4859208	96.20122687	93.98160467	91.8248285
ADV1014200	3/28/2025	3.988	9/28/2026	104.39758	103.2912549	102.2084208	101.1483334	100.1102809	99.09358077	98.09757853	97.1216462	96.16518099
ADV1013624	3/4/2025	4.256	12/4/2025	101.07455	100.8035234	100.5339271	100.265745	99.99896583	99.73357869	99.46957263	99.20693687	98.94566073
ADV1013927	3/17/2025	4.13	5/31/2029	116.5455	112.5478425	108.7117621	105.0297607	101.4947396	98.09997279	94.83908515	91.70603137	88.69507672
ADV1013596	3/14/2025	4.111	3/14/2029	115.55155	111.7948547	108.1831201	104.7099387	101.3692276	98.15520581	95.06237776	92.08551715	89.21965233
ADV1014142	3/27/2025	4.266	3/22/2030	120.31026	115.3896529	110.7039393	106.2406113	101.9878914	97.93468967	94.07056015	90.38565964	86.87070971
ADV1014358	4/3/2025	3.849	4/3/2028	110.75106	108.0511973	105.4318162	102.8900206	100.4230379	98.02821303	95.70300355	93.44497341	91.25178795
ADV1014377	4/3/2025	3.828	4/5/2027	106.42383	104.7895518	103.1885734	101.6199446	100.0827509	98.57611211	97.09918067	95.65114013	94.23120375
ADV1014321	4/2/2025	4.157	4/2/2026	102.38945	101.791561	101.2006581	100.61662	100.0393273	99.46866365	98.90451532	98.3467711	97.79532232
ADV1014860	4/24/2025	3.975	10/26/2026	104.66375	103.4782623	102.3196862	101.187114	100.0796766	98.9965429	97.93691838	96.90004272	95.88518811

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014650	4/16/2025	4.374	9/10/2025	100.13211	100.1039088	100.075736	100.047594	100.0194827	99.99140201	99.96335197	99.9353325	99.90734353
ADV1014963	4/28/2025	3.956	4/28/2026	102.58897	101.9176937	101.255212	100.6013485	99.9559358	99.31881074	98.68981431	98.06879158	97.45559152
ADV1014391	4/4/2025	3.661	4/4/2028	110.26684	107.570532	104.9547146	102.4164826	99.95306006	97.5617892	95.24012475	92.98562826	90.79596288
ADV1014470	4/8/2025	3.82	4/10/2028	110.75409	108.0341115	105.3956725	102.8358215	100.3517319	97.94069831	95.60013056	93.32754801	91.12057396
ADV1015016	4/29/2025	4.101	4/29/2031	123.77687	117.5939078	111.7669579	106.2735166	101.0926222	96.2047438	91.59167583	87.23644063	83.12319923
ADV1014413	4/4/2025	3.784	4/4/2030	118.81433	113.8725968	109.1692096	104.691357	100.4269879	96.36476102	92.4939995	88.80464811	85.28723359
ADV1014917	4/25/2025	4.902	4/25/2040	155.44886	138.6132899	123.9453637	111.1465926	99.96141911	90.17082492	81.58691854	74.04834961	67.41642034
ADV1014902	4/25/2025	4.116	4/27/2026	102.63821	101.9701217	101.310735	100.6598843	100.0174046	99.38313478	98.75691828	98.13860224	97.52803772
ADV1015079	4/30/2025	3.7	7/30/2027	107.57766	105.6100212	103.6884842	101.8116952	99.97834446	98.18716916	96.43695161	94.72651718	93.05473248
ADV1015048	4/30/2025	3.727	4/30/2027	106.55844	104.8522514	103.1818109	101.546064	99.94399329	98.37462155	96.83700925	95.33025297	93.85348356
ADV1014504	4/10/2025	4.073	4/10/2026	102.42583	101.8056164	101.1929285	100.5876294	99.98958559	99.39866706	98.81474675	98.23770061	97.66740756
ADV1014203	3/28/2025	3.94	3/29/2027	106.62798	105.0096567	103.424085	101.8703414	100.3475348	98.85480737	97.39133257	95.95631396	94.54898367
ADV1014369	4/3/2025	3.869	4/3/2030	118.84727	113.9183804	109.2267958	104.7597799	100.5053515	96.45223464	92.58981255	88.90808581	85.39763281
ADV1013722	3/7/2025	4.25	11/19/2025	100.90154	100.6736868	100.4468571	100.2210402	99.99622926	99.77241753	99.5495983	99.32776491	99.10691079
ADV1013727	3/7/2025	4.007	3/7/2028	110.8491	108.2232301	105.6740745	103.1989375	100.7952338	98.46048512	96.19231513	93.98844426	91.84668532
ADV1013630	3/18/2025	4.037	9/18/2029	117.4444	113.1144006	108.9716659	105.0070651	101.2119614	97.57818493	94.09800473	90.7641025	87.56954839
ADV1014073	3/24/2025	4.382	9/9/2025	100.12523	100.0997774	100.074353	100.0489556	100.0235853	99.99824198	99.97292557	99.94763604	99.92237334
ADV1013691	3/6/2025	4.226	1/6/2026	101.45079	101.0847214	100.7212367	100.3603126	100.001922	99.64603829	99.29263519	98.94168678	98.59316748
ADV1013689	3/6/2025	4.101	4/15/2027	106.99584	105.3283938	103.6953003	102.0955597	100.528215	98.99234558	97.48706565	96.01152255	94.5648952
ADV1014145	3/27/2025	4.031	3/27/2028	111.33489	108.6428882	106.0307407	103.495584	101.0346814	98.64541192	96.32526461	94.07183311	91.88281057
ADV1013756	3/17/2025	4.041	9/17/2026	104.24183	103.1683501	102.1170302	101.0871911	100.0781784	99.0893639	98.12014479	97.16994184	96.23819855
ADV1014838	4/23/2025	4.209	2/11/2026	101.86003	101.3920711	100.9283442	100.4687886	100.0133483	99.56196802	99.11459362	98.67117187	98.2316505
ADV1014855	4/24/2025	3.917	1/18/2028	110.03728	107.562732	105.1569931	102.8177682	100.5428509	98.33012101	96.17754073	94.08315079	92.04506704
ADV1014346	4/3/2025	3.906	4/3/2030	119.02029	114.0874209	109.3919957	104.921273	100.6632658	96.60669265	92.74093157	89.05597815	85.54240608
ADV1014293	4/1/2025	3.972	4/15/2027	106.78449	105.1188833	103.4875939	101.8896253	100.3240211	98.78986174	97.28626226	95.81237079	94.36736702
ADV1013600	3/3/2025	4.374	9/3/2025	100.0629	100.0544022	100.0459098	100.0374251	100.028948	100.0204785	100.0120166	100.0035623	99.99511556
ADV1014283	4/1/2025	4.09	4/1/2030	119.60522	114.6723655	109.976328	105.5044298	101.2447393	97.18602571	93.3177136	89.629841	86.11302049
ADV1014916	4/25/2025	4.82	4/25/2039	151.33271	135.7430335	122.0499872	110.0069767	99.40092521	90.04755044	81.78732755	74.48203715	68.01181057
ADV1014852	4/24/2025	3.938	2/16/2027	106.00103	104.505361	103.0384791	101.5996259	100.1880674	98.80309444	97.44402231	96.11018918	94.80095533
ADV1014331	4/3/2025	3.804	10/5/2026	104.28722	103.1618957	102.0608937	100.9834317	99.92875989	98.89616013	97.88494408	96.89445182	95.92405035
ADV1014992	4/29/2025	3.756	10/12/2027	108.54276	106.3587398	104.2299942	102.1547369	100.1312571	98.1579124	96.23312525	94.35537998	92.52321981
ADV1013867	3/13/2025	4.102	3/15/2027	103.43597	102.5867387	101.7525823	100.9330882	100.1278567	99.33650292	98.55865645	97.79396032	97.04207053
ADV1014076	3/24/2025	4.156	3/26/2029	115.85476	112.0587525	108.4101876	104.9025049	101.529476	98.28518473	95.16400885	92.16060406	89.26988841

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014245	3/31/2025	4.363	6/1/2032	128.81054	121.3261222	114.3426151	107.8235612	101.735351	96.04698851	90.72987359	85.75760434	81.10579633
ADV1014831	4/23/2025	3.882	4/23/2027	106.85332	105.1622965	103.5064631	101.8847824	100.2962618	98.73994765	97.21492262	95.7203043	94.25524339
ADV1014140	3/27/2025	4.265	3/15/2030	120.22757	115.3287601	110.6630515	106.2180696	101.9821621	97.94435456	94.09430763	90.42227646	86.91907351
ADV1013723	3/7/2025	4.198	1/14/2026	101.53439	101.1452925	100.7591214	100.3758444	99.99542899	99.61784317	99.24305529	98.87103424	98.50174935
ADV1013774	3/17/2025	4.096	3/15/2030	119.70019	114.805886	110.1448301	105.704623	101.473593	97.44074864	93.59573469	89.92879211	86.43072039
ADV1014723	4/21/2025	4.292	10/21/2025	100.57616	100.4319605	100.288187	100.1448325	100.0018953	99.85937349	99.71726523	99.57556868	99.43428204
ADV1015012	4/29/2025	3.756	4/28/2028	110.78415	108.012156	105.3244746	102.7179982	100.1897588	97.73691835	95.35676222	93.04669255	90.80422251
ADV1014926	4/25/2025	4.083	4/27/2026	102.61631	101.9483031	101.2889972	100.6382265	99.99582601	99.3616348	98.73549614	98.11725724	97.50676918
ADV1014252	3/31/2025	4.271	3/31/2031	124.48134	118.3637461	112.5938019	107.1498068	102.011527	97.16009175	92.57789461	88.2485018	84.15656815
ADV1013629	3/18/2025	4.037	9/18/2029	117.4444	113.1144006	108.9716659	105.0070651	101.2119614	97.57818493	94.09800473	90.7641025	87.56954839
ADV1014775	4/22/2025	4.147	4/19/2030	120.06561	115.0694371	110.3151758	105.7897569	101.4808919	97.37702069	93.46726461	89.74138193	86.18972713
ADV1013605	3/3/2025	4.368	9/3/2025	100.06281	100.0543112	100.0458191	100.0373346	100.0288578	100.0203886	100.0119269	100.0034729	99.99502638
ADV1013764	3/18/2025	4.011	9/20/2027	108.8223	106.6968659	104.6241585	102.6025207	100.6303586	98.7061398	96.82839077	94.99569402	93.20668553
ADV1013897	3/14/2025	4.089	3/14/2028	111.14143	108.4922689	105.9208802	103.4245107	101.0005246	98.64639639	96.35970489	94.1381284	91.97943991
ADV1014260	3/31/2025	4.005	3/31/2028	111.12172	108.4255067	105.809439	103.2706396	100.8063549	98.41394852	96.09089481	93.83477379	91.6432658
ADV1015045	4/30/2025	4.595	4/30/2037	143.99653	130.7950633	119.0051733	108.4655572	99.03424356	90.58617808	83.01112416	76.21183361	70.10245179
ADV1014748	4/21/2025	3.844	4/21/2027	106.64541	104.963916	103.3173067	101.704558	100.1246896	98.576759	97.05985983	95.57311981	94.11569934
ADV1013875	3/13/2025	4.103	9/5/2029	117.56394	113.2695212	109.1594965	105.2249396	101.4574032	97.84889302	94.39184083	91.07907944	87.90381912
ADV1013724	3/7/2025	4.17	2/11/2026	101.84914	101.3788627	100.9128379	100.4510051	99.99330792	99.5396909	99.09009961	98.64448056	98.20278122
ADV1013777	3/12/2025	4.022	8/31/2028	112.94908	109.795565	106.7483406	103.8032207	100.9562134	98.20350612	95.54145704	92.96658596	90.47556632
ADV1014434	4/7/2025	4.163	11/25/2025	100.94331	100.6992477	100.4563539	100.2146168	99.97402813	99.73457968	99.49626335	99.25907111	99.02299501
ADV1014367	4/3/2025	3.84	2/5/2027	105.71947	104.2591344	102.8263331	101.4203527	100.0405053	98.68612579	97.35657134	96.05122023	94.76947108
ADV1014405	4/4/2025	3.679	2/4/2028	109.82945	107.3060903	104.8542461	102.4714876	100.1554794	97.90397902	95.71483308	93.58597276	91.51541016
ADV1014396	4/4/2025	3.643	4/4/2030	118.1535	113.2270015	108.5383085	104.0746375	99.82395953	95.7749544	91.91696533	88.23995612	84.73447158
ADV1013799	3/11/2025	4.331	9/11/2025	100.14738	100.1162285	100.0851099	100.0540262	100.0229772	99.991963	99.96098344	99.93003848	99.89912806
ADV1014259	3/31/2025	3.999	9/30/2027	108.9199	106.7648944	104.6638079	102.6149262	100.616602	98.66725269	96.7653572	94.9094531	93.09813383
ADV1014793	4/22/2025	3.968	10/22/2026	104.60485	103.430967	102.2834878	101.1615318	100.0642532	98.9908435	97.94052881	96.9125686	95.90625371
ADV1014908	4/25/2025	4.135	3/25/2026	102.28316	101.7077807	101.1388856	100.5763643	100.0201098	99.47001772	98.92598596	98.38791459	97.85570592
ADV1014616	4/15/2025	3.87	4/15/2027	106.73297	105.0656995	103.4328087	101.8333041	100.2662266	98.73065409	97.22569924	95.75050792	94.30425766
ADV1014404	4/4/2025	3.977	4/6/2026	102.32476	101.716012	101.1145111	100.5201331	99.93275184	99.35224419	98.77848981	98.21137118	97.6507735
ADV1014319	4/2/2025	4.078	4/2/2026	102.38418	101.7857888	101.1943968	100.609882	100.0321249	99.46100867	98.89641928	98.33824518	97.7863774
ADV1014044	3/21/2025	4.047	10/10/2028	113.49676	110.2200735	107.0567676	104.0022499	101.0521435	98.20227556	95.44866626	92.78751863	90.21520887
ADV1013765	3/18/2025	4.018	3/20/2028	111.02852	108.3641393	105.7783265	103.2682919	100.8313597	98.46496612	96.16665439	93.93406917	91.76495179

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1013728	3/7/2025	4.081	3/7/2029	115.3629	111.6293391	108.039286	104.5864318	101.2647775	98.06862057	94.99253847	92.03137328	89.18021722
ADV1013631	3/14/2025	3.983	9/14/2027	108.68987	106.582953	104.5280427	102.5235129	100.5678016	98.6594065	96.79688272	94.9788398	93.20393929
ADV1014089	3/24/2025	4.38	9/17/2025	100.2127	100.1645932	100.1165445	100.0685576	100.0206324	99.97276874	99.92496649	99.87722554	99.82954577
ADV1014442	4/7/2025	4.018	4/7/2026	102.3598	101.7481411	101.1437999	100.5466483	99.95655826	99.37340495	98.79706636	98.22742334	97.66435952
ADV1013699	3/6/2025	4.07	3/6/2028	110.99834	108.3733311	105.8249405	103.3504797	100.9473692	98.61313561	96.34540754	94.14190993	92.00045985
ADV1013669	3/5/2025	4.078	9/8/2026	104.16899	103.1211619	102.094466	101.0882644	100.101947	99.13492792	98.18664399	97.25655381	96.34413668
ADV1014868	4/24/2025	3.835	4/26/2027	106.81254	105.1133707	103.4496721	101.8204025	100.2245572	98.66117077	97.12931499	95.62809704	94.15665779
ADV1014292	4/1/2025	3.976	4/1/2027	106.61231	104.9877761	103.3961938	101.836625	100.3081705	98.8099644	97.3411726	95.90099153	94.48864656
ADV1014751	4/21/2025	4.192	12/22/2025	101.25743	100.9364487	100.6174795	100.3005019	99.98549734	99.67244724	99.36133343	99.05213792	98.74484295
ADV1014263	3/31/2025	4.051	3/31/2026	102.34146	101.7487527	101.1629123	100.5838186	100.0113554	99.44540927	98.88586947	98.33262762	97.7855778
ADV1014375	4/3/2025	3.845	4/5/2027	106.45133	104.8168202	103.2156155	101.6467645	100.1093524	98.60249909	97.12535677	95.67710896	94.25696881
ADV1014492	4/9/2025	3.963	5/1/2028	111.38166	108.5930555	105.8894154	103.2675994	100.7246098	98.25758091	95.86377171	93.54055959	91.28543429
ADV1014007	3/20/2025	4.041	4/11/2028	111.35028	108.6194491	105.970495	103.4004506	100.906476	98.48585321	96.1359802	93.85436497	91.63862007
ADV1014857	4/24/2025	3.935	7/14/2028	112.14725	109.1394039	106.2289412	103.4121885	100.6856296	98.04589978	95.48977802	93.01418046	90.61615365
ADV1014952	4/28/2025	4.305	10/28/2025	100.65504	100.4910846	100.3276552	100.1647531	100.0023759	99.84052102	99.67918591	99.51836809	99.35806508
ADV1013811	3/11/2025	4.097	3/25/2026	102.26361	101.688325	101.119526	100.5570994	100.0009386	99.45093901	98.90699859	98.36901744	97.83689789
ADV1014436	4/7/2025	4.02	3/25/2026	102.21998	101.6448442	101.0761931	100.5139134	99.95789814	99.40804304	98.86424595	98.32640702	97.79442858
ADV1015058	4/30/2025	3.648	4/30/2027	106.54637	104.8381831	103.1658218	101.5282267	99.92437776	98.35329478	96.81403567	95.30569454	93.82739987
ADV1014247	3/31/2025	4.102	3/29/2030	119.8777	114.9395112	110.2381799	105.7610343	101.4961508	97.43230538	93.5589283	89.86606248	86.34432453
ADV1014851	4/24/2025	3.948	1/13/2027	105.59625	104.2008519	102.8307113	101.4852041	100.1637226	98.86567863	97.59050297	96.33764422	95.10656835
ADV1014299	4/1/2025	3.996	10/30/2026	104.74298	103.5457793	102.3760076	101.2327246	100.1150373	99.02209237	97.95307398	96.90720191	95.88372953
ADV1014041	3/21/2025	4.022	1/18/2028	110.29172	107.8140446	105.4052494	103.0630341	100.7851903	98.56959582	96.4142111	94.31707509	92.27630196
ADV1014574	4/14/2025	4.189	6/14/2030	121.13179	115.9413088	111.0092061	106.3211867	101.8638273	97.62451624	93.59139946	89.75333103	86.09982681
ADV1014472	4/8/2025	3.997	4/8/2030	119.49869	114.5401526	109.8207554	105.3276374	101.0487009	96.9725618	93.08850365	89.3864343	85.85684629
ADV1014370	4/3/2025	3.82	4/5/2027	106.41089	104.7767196	103.1758477	101.6073235	100.0702325	98.56369471	97.0868625	95.6389195	94.21907902
ADV1014614	4/15/2025	4.324	10/15/2025	100.51454	100.3872637	100.2603196	100.1337078	100.007427	99.88147588	99.7558531	99.63055732	99.50558722
ADV1013591	3/3/2025	4.194	3/3/2026	102.06991	101.5562201	101.0477064	100.5442891	100.0458917	99.5524394	99.06385878	98.58007787	98.10102614
ADV1014372	4/3/2025	3.873	4/3/2030	118.86597	113.9366551	109.2446553	104.7772386	100.5224234	96.4689328	92.60614974	88.92407417	85.41328397
ADV1013599	3/14/2025	4.101	3/14/2029	115.51557	111.7595185	108.148409	104.675835	101.3357142	98.12226637	95.02999633	92.05367842	89.18834154
ADV1014861	4/24/2025	3.924	4/26/2027	106.84116	105.1438214	103.4818856	101.8543096	100.2600913	98.69826814	97.16791427	95.66813927	94.19808627
ADV1013570	3/3/2025	4.214	3/3/2026	102.08014	101.5664265	101.0578827	100.5544355	100.0560085	99.56252681	99.07391697	98.59010706	98.11102653
ADV1013771	3/18/2025	4.009	3/20/2028	111.00518	108.3411009	105.7555867	103.245844	100.809197	98.44308244	96.14504358	93.9127253	91.7438691
ADV1015021	4/29/2025	3.755	4/29/2027	106.59379	104.8901098	103.222087	101.5886697	99.98884466	98.42163817	96.88611431	95.38137298	93.9065482

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1013750	3/10/2025	4.126	3/10/2026	102.11238	101.5791375	101.051474	100.5293053	100.0125456	99.50111095	98.99491919	98.49388979	97.99794387
ADV1014157	3/27/2025	4.125	3/27/2026	102.33978	101.7581891	101.1832157	100.6147483	100.0526768	99.49689369	98.94729367	98.40377385	97.86623363
ADV1015072	4/30/2025	3.71	4/28/2028	110.65954	107.8892626	105.2032522	102.598407	100.0717602	97.62047522	95.24183841	92.93325315	90.69223367
ADV1013725	3/7/2025	4.102	4/8/2026	102.42197	101.80732	101.2000578	100.6000526	100.0071747	99.42129746	98.84229712	98.27005293	97.70444693
ADV1015043	4/30/2025	3.791	12/16/2026	105.05597	103.7335255	102.4387345	101.1707299	99.92868451	98.71180512	97.51933122	96.35053311	95.20471037
ADV1013717	3/7/2025	4.132	3/19/2026	102.21684	101.6583501	101.1059812	100.5596299	100.0191978	99.48458909	98.95570963	98.43246751	97.9147727
ADV1014996	4/30/2025	3.837	10/30/2026	104.55098	103.3549633	102.1863494	101.0442062	99.92764103	98.83580101	97.7678708	96.72307059	95.70065414
ADV1015020	4/29/2025	3.81	12/29/2026	105.23239	103.8794262	102.550958	101.2463658	99.96504929	98.7064279	97.46994026	96.25504324	95.06121129
ADV1013575	3/3/2025	4.376	9/3/2025	100.06293	100.0544325	100.04594	100.0374552	100.0289781	100.0205085	100.0120465	100.0035921	99.99514529
ADV1013772	3/18/2025	4.095	3/15/2030	119.69541	114.8012182	110.1402667	105.7001602	101.4692274	97.43647691	93.59155359	89.92469857	86.42671149
ADV1013753	3/10/2025	4.022	3/10/2027	106.41042	104.8479038	103.3164198	101.8151153	100.3431697	98.89979162	97.48421801	96.09571238	94.73356388
ADV1015060	4/30/2025	3.707	4/30/2029	114.88175	110.9950878	107.2630386	103.6785537	100.2349529	96.92590002	93.74538219	90.68769163	87.74740801
ADV1014402	4/4/2025	3.778	4/3/2030	118.42159	113.5024902	108.8203514	104.3624518	100.1168248	96.07220764	92.21799666	88.54420458	85.04142142
ADV1013956	3/18/2025	4.148	11/18/2026	105.16811	103.9146728	102.6912026	101.4966369	100.3299586	99.190198	98.07642982	96.98777084	95.9233775
ADV1015092	4/30/2025	3.784	10/30/2026	104.48845	103.2928276	102.1245994	100.9828358	99.86664421	98.77517203	97.70760403	96.66316053	95.64109546
ADV1014448	4/7/2025	3.876	4/7/2027	106.52573	104.8849128	103.2776009	101.7028365	100.1596968	98.64729352	97.16477154	95.71130727	94.28610714
ADV1014336	4/3/2025	4.08	3/19/2026	102.1887	101.6303239	101.0780646	100.5318219	99.99149767	99.45699579	98.92822233	98.40508534	97.88749482
ADV1013755	3/14/2025	4.101	3/14/2030	119.71276	114.8210165	110.1622868	105.7241875	101.4950641	97.46394074	93.62047673	89.95492636	86.45810144
ADV1014796	4/22/2025	3.832	4/22/2027	106.75748	105.0701268	103.4178451	101.7996074	100.2144259	98.66135095	97.13946951	95.64790296	94.18580568
ADV1014617	4/15/2025	4.092	4/15/2026	102.49179	101.8574844	101.2310422	100.612322	100.0011814	99.39748149	98.80108666	98.21186463	97.6296863
ADV1014967	4/28/2025	3.855	10/28/2026	104.54763	103.357244	102.1940149	101.0570171	99.94536983	98.85823133	97.79479679	96.7542963	95.73599301
ADV1014373	4/3/2025	3.761	4/5/2027	106.43143	104.7951169	103.1921725	101.6216473	100.0826242	98.57422031	97.0955858	95.64590189	94.22437965
ADV1014745	4/21/2025	4.258	4/23/2035	120.55816	115.2183043	110.2233463	105.5468754	101.1647434	97.05485076	93.19695717	89.57251127	86.16449692
ADV1014362	4/3/2025	4.059	4/3/2026	102.34189	101.7413807	101.1479282	100.5614039	99.9816869	99.40865916	98.84220527	98.28221248	97.72857061
ADV1013768	3/17/2025	4.018	3/17/2028	110.99341	108.3378262	105.7603827	103.2583115	100.8289577	98.46977735	96.17833234	93.95228485	91.78939275
ADV1014490	4/9/2025	4.008	4/9/2026	102.41824	101.8002819	101.1897996	100.5866533	99.99071117	99.40184446	98.81992743	98.24483734	97.67645432
ADV1013671	3/5/2025	4.087	3/5/2027	106.44841	104.8993158	103.3808392	101.8921472	100.4324365	99.00093191	97.59688572	96.21957607	94.86830599
ADV1013972	3/18/2025	4.1	3/15/2028	111.18129	108.528831	105.9542911	103.4549132	101.0280545	98.67118262	96.38186997	94.15778881	91.99670644
ADV1013598	3/14/2025	4.061	3/14/2028	111.06927	108.4210485	105.850577	103.3551041	100.9319948	98.57872403	96.29287123	94.07211527	91.91422968
ADV1015010	4/29/2025	4.016	4/29/2026	102.59282	101.9193603	101.2547417	100.5987944	99.95134956	99.31224258	98.68131308	98.05840479	97.44336538
ADV1015073	4/30/2025	3.79	4/30/2029	114.9132	111.0332502	107.3074608	103.7288153	100.2906594	96.98668075	93.81088906	90.7575976	87.8214058
ADV1014828	4/23/2025	4.407	9/19/2025	100.23122	100.1776298	100.1241073	100.0706566	100.0172775	99.96396993	99.91073369	99.85756865	99.80447466
ADV1014643	4/16/2025	3.921	4/16/2027	106.71114	105.0432445	103.4097521	101.8096644	100.2420213	98.70589936	97.20041021	95.72469875	94.27794154

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014913	4/25/2025	4.617	4/25/2036	142.00692	129.9277979	119.0434942	109.2274865	100.367339	92.36306633	85.12569387	78.57599052	72.64335363
ADV1013633	3/4/2025	4.006	3/4/2027	106.31212	104.7668557	103.2521063	101.7670435	100.3108676	98.88280751	97.48211886	96.10808322	94.76000685
ADV1014047	3/21/2025	3.942	3/21/2028	111.03265	108.3613611	105.7689857	103.2527133	100.809852	98.43782286	96.13415448	93.89647795	91.72252167
ADV1013621	3/4/2025	4.006	9/17/2026	104.20666	103.1334429	102.0823853	101.0528036	100.0440438	99.0554778	98.08650287	97.13653996	96.20503267
ADV1013895	3/14/2025	4.113	9/14/2026	104.28025	103.2149599	102.1714923	101.1491804	100.1473847	99.16549095	98.20290962	97.25907407	96.33343969
ADV1013766	3/18/2025	4.072	3/19/2029	115.46905	111.6997383	108.0763045	104.592288	101.2415494	98.01825518	94.91686065	91.93209386	89.05894056
ADV1014430	4/7/2025	3.734	10/7/2026	104.2333	103.1026472	101.9965596	100.9142409	99.85493019	98.81789873	97.8024483	96.80790958	95.83364074
ADV1013896	3/14/2025	4.097	3/15/2027	106.58885	105.0111789	103.4649824	101.9493936	100.4635738	99.00671458	97.57803647	96.17678757	94.80224235
ADV1013715	3/7/2025	3.924	3/8/2027	106.34534	104.7869983	103.259571	101.7622163	100.2941183	98.85449058	97.44257408	96.05763654	94.69897102
ADV1013775	3/18/2025	4.095	3/15/2030	119.69541	114.8012182	110.1402667	105.7001602	101.4692274	97.43647691	93.59155359	89.92469857	86.42671149
ADV1014423	4/7/2025	3.683	4/7/2027	106.32883	104.6876826	103.0800851	101.5050752	99.9617281	98.44915392	96.96649582	95.51292862	94.08765728
ADV1015053	4/30/2025	3.77	4/30/2030	119.01309	113.9905552	109.2133994	104.668259	100.342576	96.22454325	92.30305469	88.56765992	85.0085216
ADV1015093	4/30/2025	3.784	10/30/2026	104.48845	103.2928276	102.1245994	100.9828358	99.86664421	98.77517203	97.70760403	96.66316053	95.64109546
ADV1015009	4/29/2025	3.761	4/29/2027	106.60389	104.9001224	103.2320133	101.5985112	99.99860289	98.43131457	96.8957103	95.39088997	93.91598753
ADV1013634	3/4/2025	3.989	3/6/2028	110.79199	108.1696603	105.6238915	103.1519943	100.7513907	98.41960926	96.15428009	93.95312979	91.81397694
ADV1013754	3/14/2025	4.021	3/15/2027	106.4704	104.8936812	103.3484276	101.8337652	100.3488556	98.89289101	97.46509231	96.06470799	94.69101292
ADV1014409	4/4/2025	3.767	4/15/2027	106.44689	104.7841434	103.1556629	101.560453	99.99755903	98.46606249	96.96507974	95.49376015	94.05128458
ADV1015011	4/29/2025	3.757	4/29/2027	106.59716	104.8934473	103.2253958	101.5919502	99.9920974	98.42486364	96.88931297	95.38454531	93.90969464
ADV1013752	3/10/2025	4.046	9/10/2026	104.16021	103.1068027	102.0747522	101.0634128	100.0721648	99.10041301	98.14758544	97.21313244	96.29652543
ADV1013672	3/5/2025	4.085	3/6/2028	111.03713	108.4116317	105.862764	103.3878369	100.9842703	98.64959097	96.38142686	94.17750274	92.03563539
ADV1013971	3/18/2025	4.103	9/9/2027	108.87389	106.7793259	104.7362278	102.742999	100.7981021	98.90005831	97.04744472	95.23889169	93.47308051
ADV1014566	4/14/2025	4.11	4/1/2030	117.78894	113.3826065	109.1823842	105.1773017	101.3570416	97.71189421	94.23271815	90.91090348	87.73833776
ADV1013812	3/11/2025	4.062	6/25/2026	103.26569	102.4313252	101.6104631	100.8027789	100.0079567	99.22569063	98.45568464	97.69765179	96.95131409
ADV1013807	3/11/2025	4.024	9/11/2026	104.14965	103.0935002	102.0588191	101.0449569	100.0512891	99.07721566	98.12216048	97.18556967	96.26691071
ADV1014912	4/25/2025	4.561	4/25/2035	138.82772	127.9253902	118.0148437	108.9993021	100.7919519	93.31486736	86.49805646	80.27861407	74.59996942
ADV1014829	4/23/2025	4.223	1/16/2026	101.56051	101.1676348	100.7777576	100.3908446	100.0068619	99.62577625	99.24755486	98.87216539	98.49957602
ADV1014772	4/22/2025	4.144	4/5/2030	119.8979	114.9465595	110.2333168	105.7454018	101.4707979	97.39819565	93.51694688	89.81702244	86.28897274
ADV1014435	4/7/2025	4.12	12/26/2025	101.28187	100.9490484	100.6183829	100.2898484	99.96342439	99.63909049	99.31682667	98.99661315	98.67843038
ADV1013767	3/17/2025	4.011	9/17/2027	108.78497	106.6684873	104.6043725	102.5909883	100.6267565	98.71015976	96.83973864	95.01408906	93.23185966
ADV1015069	4/30/2025	3.633	4/30/2027	106.52107	104.8130962	103.1409517	101.5035697	99.89992987	98.32905235	96.78999512	95.28185237	93.80375269
ADV1014141	3/27/2025	4.05	9/28/2026	104.46524	103.3585254	102.2753023	101.2148316	100.1764014	99.15932897	98.16295976	97.18666564	96.22984371
ADV1013814	3/11/2025	4.034	3/11/2027	106.4413	104.875791	103.3414035	101.8372801	100.3625966	98.91655847	97.49839918	96.10737926	94.74278495
ADV1014390	4/4/2025	3.661	4/4/2028	110.26684	107.570532	104.9547146	102.4164826	99.95306006	97.5617892	95.24012475	92.98562826	90.79596288

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014010	3/20/2025	4.058	7/11/2028	112.47197	109.4677111	106.5604341	103.7464867	101.0223764	98.3847608	95.83044022	93.35635059	90.95955708
ADV1014462	4/8/2025	4.035	4/8/2026	102.42393	101.8087374	101.2009447	100.6004224	100.0070404	99.42067168	98.84119218	98.26848078	97.70241918
ADV1013954	3/18/2025	4.214	5/18/2026	102.94638	102.2188344	101.5015933	100.7944417	100.0971674	99.40956408	98.73143119	98.06257368	97.40280182
ADV1015098	4/30/2025	3.629	4/30/2027	106.51432	104.8064064	103.1343197	101.4969944	99.89341043	98.3225877	96.78358431	95.27549446	93.79744678
ADV1014877	4/24/2025	4.048	4/19/2030	119.85497	114.8559451	110.0992459	105.5717708	101.2612	97.15594476	93.24509971	89.51839863	85.96617333
ADV1013721	3/7/2025	4.125	3/10/2026	102.11217	101.5789366	101.0512877	100.5291333	100.0123877	99.50096701	98.99478894	98.493773	97.99784033
ADV1013770	3/18/2025	4.019	3/18/2027	106.50418	104.9189592	103.3654635	101.8428073	100.3501417	98.88664881	97.45153986	96.04405431	94.66345839
ADV1013776	3/18/2025	4.095	3/15/2030	119.69541	114.8012182	110.1402667	105.7001602	101.4692274	97.43647691	93.59155359	89.92469857	86.42671149
ADV1013906	3/14/2025	4.05	9/14/2026	104.28836	103.2219406	102.1773789	101.1540115	100.1511973	99.16832063	98.20479038	97.26003856	96.33351924
ADV1014294	4/1/2025	4.009	9/17/2029	117.31983	112.9954018	108.8579309	104.8983	101.1078906	97.47854976	94.0025624	90.67262502	87.48182155
ADV1014862	4/24/2025	3.927	4/24/2028	111.20001	108.4338347	105.7514792	103.1498726	100.6260746	98.17727302	95.80077747	93.49401277	91.25451332
ADV1013579	3/3/2025	4.126	9/3/2026	104.15508	103.1213337	102.1081475	101.1149154	100.1410514	99.18599239	98.249197	97.33014437	96.42833331
ADV1013757	3/17/2025	4.021	3/17/2028	111.00117	108.3454813	105.7679389	103.265771	100.8363226	98.47704987	96.18551444	93.95937851	91.79639985
ADV1014009	3/20/2025	4.041	4/11/2028	111.35028	108.6194491	105.970495	103.4004506	100.906476	98.48585321	96.1359802	93.85436497	91.63862007
ADV1013965	3/18/2025	4.368	9/18/2025	100.22395	100.1729757	100.122064	100.0712192	100.0204411	99.96972965	99.91908466	99.868506	99.81799355
ADV1015081	4/30/2025	3.756	4/30/2027	106.52085	104.8164845	103.1478095	101.5137692	99.91334844	98.3455721	96.80950274	95.30423887	93.82891319
ADV1014209	3/28/2025	4.023	3/29/2027	106.64585	105.0293187	103.4454729	101.8933908	100.372184	98.88099672	97.4190049	95.98541415	94.57945864
ADV1014822	4/23/2025	3.953	4/23/2027	106.85177	105.1628333	103.509005	101.8892561	100.3025972	98.74807714	97.22478127	95.73182962	94.26837523
ADV1013726	3/7/2025	4.123	3/9/2026	102.09992	101.5694905	101.0445881	100.525123	100.0110106	99.50216834	98.99851534	98.49997228	98.00646152
ADV1013760	3/17/2025	4.089	9/17/2029	117.64728	113.3160614	109.1720182	105.2060235	101.4094504	97.77413817	94.29236396	90.95681706	87.76057449
ADV1014249	3/31/2025	4.102	3/29/2030	119.8777	114.9395112	110.2381799	105.7610343	101.4961508	97.43230538	93.5589283	89.86606248	86.34432453
ADV1014535	4/11/2025	4.134	4/13/2026	102.49667	101.8679048	101.2468664	100.633417	100.0274178	99.42873338	98.83723165	98.25278362	97.67526339
ADV1013644	3/4/2025	4.088	3/5/2029	115.36517	111.6372217	108.0524057	104.60443	101.2873186	98.09539029	95.02324235	92.06573547	89.21797919
ADV1014964	4/28/2025	3.796	4/28/2028	110.89224	108.118779	105.4296609	102.821781	100.2921702	97.83798957	95.45652346	93.14517311	90.90145077
ADV1013593	3/3/2025	4.105	3/1/2030	119.59185	114.7399038	110.1176732	105.7130303	101.51455	97.51146822	93.69363983	90.05149958	86.57602602
ADV1013576	3/3/2025	4.019	3/3/2027	106.42916	104.8838929	103.3691384	101.8840684	100.427884	98.99981465	97.59911662	96.22507206	94.87698777
ADV1014129	3/26/2025	4.132	3/26/2026	102.33289	101.7540793	101.181826	100.6160191	100.0565501	99.50331263	98.9562029	98.41511936	97.87996271
ADV1014365	4/3/2025	4.112	4/3/2031	123.29554	117.2129188	111.4765855	106.0648938	100.9576657	96.13608388	91.58259335	87.28080948	83.21543419
ADV1014378	4/3/2025	3.808	4/4/2028	110.6545	107.9530581	105.3322191	102.7890796	100.3208602	97.92489951	95.59864914	93.33966748	91.14561468
ADV1014363	4/3/2025	3.852	4/5/2027	106.46265	104.8280484	103.2267505	101.657808	100.120306	98.61336431	97.13613517	95.68780201	94.26757795
ADV1013769	3/17/2025	4.085	9/17/2029	117.63079	113.2999116	109.1561937	105.1905141	101.3942463	97.75922979	94.27774228	90.94247335	87.74650035
ADV1014437	4/7/2025	4.283	10/7/2025	100.42171	100.3170466	100.2126091	100.1083966	100.0044086	99.90064413	99.79710257	99.69378312	99.59068505
ADV1015084	4/30/2025	3.699	4/30/2027	106.51123	104.8054509	103.1354146	101.5000646	99.89838382	98.32939507	96.79215908	95.2857726	93.80936666

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014953	4/28/2025	3.812	4/28/2027	106.67743	104.9758533	103.3098524	101.6783752	100.0804122	98.51499332	96.9811861	95.47809362	94.00485295
ADV1014147	3/27/2025	4.132	3/27/2026	102.34382	101.7622189	101.1872323	100.6187518	100.0566673	99.50087131	98.9512585	98.407726	97.87017319
ADV1014388	4/4/2025	3.661	4/4/2028	110.26684	107.570532	104.9547146	102.4164826	99.95306006	97.5617892	95.24012475	92.98562826	90.79596288
ADV1014240	3/31/2025	4.117	3/30/2029	115.56462	111.7675973	108.1183266	104.6102262	101.2370438	97.99284089	94.87197478	91.86908219	88.97906371
ADV1014204	3/28/2025	3.947	3/29/2027	106.63917	105.02075	103.4350872	101.8812541	100.3583595	98.86554561	97.40198586	95.96688372	94.55947132
ADV1014850	4/24/2025	4.21	1/13/2026	101.51995	101.1358008	100.7545204	100.3760767	100.0004379	99.62757286	99.25745085	98.89004155	98.52531511
ADV1013626	3/14/2025	4.024	9/14/2028	113.12053	109.9239332	106.8360687	103.8526184	100.9694585	98.18265303	95.48844425	92.88324325	90.36362137
ADV1014360	4/3/2025	3.842	4/3/2028	110.73263	108.0330078	105.4138656	102.8723036	100.4055491	98.01094751	95.68595629	93.42813962	91.23516297
ADV1014354	4/3/2025	3.769	4/3/2028	110.73303	108.0292628	105.4061771	102.8608681	100.3905534	97.99256925	95.66436473	93.40349583	91.20762038
ADV1013589	3/3/2025	4.374	9/3/2025	100.0629	100.0544022	100.0459098	100.0374251	100.028948	100.0204785	100.0120166	100.0035623	99.99511556
ADV1013969	3/18/2025	4.227	3/18/2026	102.25657	101.7006841	101.1508562	100.6069892	100.0689862	99.53675253	99.01019551	98.48922444	97.97375053
ADV1014081	3/24/2025	4.114	3/24/2028	111.32468	108.6452659	106.0450709	103.521271	101.0711598	98.69214496	96.38174259	94.13757183	91.95734989
ADV1014615	4/15/2025	3.923	10/15/2026	104.54604	103.3909823	102.2615033	101.1567599	100.075945	99.01828616	97.98304396	96.96951022	95.97700633
ADV1014395	4/4/2025	3.57	4/4/2028	110.21931	107.5194944	104.9003555	102.3589846	99.89259633	97.49852439	95.17421529	92.91722286	90.72520295
ADV1014400	4/4/2025	3.729	4/5/2027	106.26355	104.6306087	103.0309405	101.4635987	99.92766953	98.42227333	96.94656312	95.49972304	94.08096687
ADV1014368	4/3/2025	3.816	7/1/2027	107.46468	105.5776346	103.733168	101.9300736	100.167185	98.44337645	96.75756053	95.10868679	93.49574028
ADV1014239	3/31/2025	4.064	3/31/2028	111.13913	108.445631	105.8321357	103.2957747	100.8338011	98.44358471	96.12260583	93.86845006	91.67880302
ADV1014639	4/16/2025	3.954	4/14/2028	111.15566	108.4188028	105.7642206	103.188923	100.6900485	98.26485894	95.91073343	93.6251622	91.40574113
ADV1015075	4/30/2025	3.706	4/30/2027	106.52304	104.817151	103.1470137	101.5115645	99.90978619	98.34070169	96.80337162	95.29689269	93.82039588
ADV1014318	4/2/2025	4.165	4/2/2026	102.39421	101.796306	101.2053873	100.6213333	100.044025	99.47334582	98.9091821	98.35142261	97.79995868
ADV1013928	3/17/2025	4.092	3/17/2028	111.18473	108.5266506	105.9467677	103.4423118	101.0106264	98.64916599	96.35549081	94.12726156	91.96223467
ADV1014389	4/4/2025	3.661	4/4/2028	110.26684	107.570532	104.9547146	102.4164826	99.95306006	97.5617892	95.24012475	92.98562826	90.79596288
ADV1014036	3/21/2025	4.005	3/21/2028	111.00592	108.3390374	105.750864	103.2385953	100.7995486	98.43115381	96.13094821	93.89657085	91.72575773
ADV1014380	4/3/2025	3.876	4/4/2030	118.89039	113.9575946	109.2624003	104.7920479	100.5345362	96.47857035	92.61351643	88.92935903	85.41666183
ADV1013786	3/10/2025	4.395	3/1/2035	128.23803	120.4652986	113.3150201	106.7310691	100.6627873	95.06442005	89.89461136	85.11595433	80.69458947
ADV1014043	3/21/2025	4.043	9/12/2028	113.1544	109.9630672	106.8801408	103.9013186	101.0224951	98.23975145	95.54934586	92.94770448	90.43141278
ADV1013759	3/17/2025	4.076	3/19/2029	115.48365	111.714084	108.0904019	104.6061439	101.2551703	98.03164753	94.93003056	91.94504727	89.07168318
ADV1014401	4/4/2025	3.693	4/4/2028	110.35119	107.6537703	105.036858	102.4975561	100.0330877	97.64079444	95.31813021	93.06265593	90.87203408
ADV1014218	3/31/2025	4.03	3/30/2029	115.44229	111.6424685	107.9906539	104.4802434	101.1049694	97.85887912	94.73631665	91.73190628	88.84053696
ADV1013773	3/17/2025	4.096	3/15/2030	119.70019	114.805886	110.1448301	105.704623	101.473593	97.44074864	93.59573469	89.92879211	86.43072039
ADV1014300	4/1/2025	3.979	5/3/2027	107.02511	105.3066498	103.6243208	101.9770442	100.3637878	98.78356043	97.23540923	95.71841824	94.23170641
ADV1014011	3/20/2025	4.06	8/8/2028	112.79961	109.7125419	106.7275204	103.8406089	101.048047	98.3462398	95.73174983	93.20128913	90.75171189
ADV1013886	3/14/2025	4.169	3/16/2026	102.20235	101.6521831	101.107958	100.5695757	100.0369424	99.50996602	98.98855657	98.47262594	97.96208787

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014832	4/23/2025	4.141	4/23/2026	102.61056	101.9536469	101.305159	100.6649344	100.0328155	99.40864901	98.79228521	98.18357828	97.58238598
ADV1014342	4/3/2025	3.856	4/3/2028	110.7695	108.0693869	105.4497667	102.9077376	100.4405266	98.04547854	95.7200508	93.4618072	91.26841293
ADV1013595	3/14/2025	4.07	3/14/2028	111.09246	108.4439408	105.8731745	103.3774134	100.9540222	98.60047586	96.31435348	94.09333378	91.93519011
ADV1013597	3/14/2025	4.091	3/15/2027	106.5795	105.0019027	103.4557807	101.9402651	100.4545171	98.99772851	97.56911982	96.16793918	94.79346108
ADV1013670	3/7/2025	4.134	3/7/2030	119.78968	114.9161494	110.2739642	105.850875	101.6353467	97.61651348	93.78413601	90.12856212	86.6406899
ADV1014914	4/25/2025	4.677	4/27/2037	144.93102	131.6853754	119.8536653	109.2745103	99.80585202	91.32254289	83.71424942	76.88362491	70.7447162
ADV1014774	4/22/2025	4.147	4/19/2030	120.06561	115.0694371	110.3151758	105.7897569	101.4808919	97.37702069	93.46726461	89.74138193	86.18972713
ADV1015076	4/30/2025	3.797	4/30/2029	114.9393	111.0588694	107.332611	103.7535101	100.314912	97.01050372	93.83429466	90.7805976	87.84401154
ADV1014431	4/7/2025	3.672	4/7/2027	106.31097	104.6699699	103.06252	101.4876551	99.9444505	98.43201631	96.94949579	95.49606383	94.07092544
ADV1013779	3/14/2025	4.017	7/31/2028	112.58136	109.5198846	106.5589325	103.6946567	100.9233776	98.24157616	95.64588644	93.1330877	90.70009746
ADV1013758	3/17/2025	4.047	9/18/2028	113.23897	110.0289718	106.9284476	103.9330291	101.0385537	98.24104874	95.53672223	92.92195303	90.3932823
ADV1013622	3/4/2025	4.008	3/4/2030	119.17884	114.3276857	109.7066583	105.3035884	101.1070127	97.10613161	93.29076789	89.65132692	86.17876045
ADV1014848	4/24/2025	4.062	4/24/2030	118.37364	113.7606328	109.3683706	105.1848968	101.1989738	97.40003752	93.77815201	90.32396869	87.02868787
ADV1013761	3/18/2025	4.115	3/18/2026	102.19465	101.6389567	101.0893242	100.545651	100.0078403	99.47579751	98.94942986	98.42864672	97.91335932
ADV1013714	3/7/2025	3.924	3/8/2027	106.34534	104.7869983	103.259571	101.7622163	100.2941183	98.85449058	97.44257408	96.05763654	94.69897102
ADV1015096	4/30/2025	3.629	4/30/2027	106.51432	104.8064064	103.1343197	101.4969944	99.89341043	98.3225877	96.78358431	95.27549446	93.79744678
ADV1013594	3/14/2025	4.091	3/15/2027	106.5795	105.0019027	103.4557807	101.9402651	100.4545171	98.99772851	97.56911982	96.16793918	94.79346108
ADV1013908	3/14/2025	4.115	3/16/2026	102.21125	101.6605847	101.1158738	100.5770169	100.0439198	99.51649029	98.994638	98.47827457	97.96731348
ADV1013577	3/3/2025	4.099	3/3/2027	106.44175	104.8981987	103.3851004	101.9016267	100.4469812	99.02039539	97.62112756	96.2484618	94.90170671
ADV1013673	3/5/2025	4.165	3/5/2030	119.9107	115.0401421	110.4005322	105.979655	101.7660065	97.7487489	93.91766903	90.26313855	86.77607752
ADV1013970	3/18/2025	4.123	3/18/2027	106.66713	105.0805886	103.5257893	102.0018524	100.5079285	99.04319881	97.60687419	96.19819349	94.81642239
ADV1014410	4/4/2025	3.73	4/4/2029	114.68037	110.8729506	107.2146012	103.6986397	100.3187256	97.06883846	93.94325952	90.93655476	88.04355894
ADV1015022	4/29/2025	3.747	10/29/2027	108.7157	106.4828486	104.3073781	102.1873986	100.1211026	98.10675681	96.1426977	94.22732857	92.35911608
ADV1013751	3/10/2025	4.046	3/10/2026	102.10723	101.5735446	101.0454552	100.5228709	100.0057056	99.49387513	98.987297	98.48589044	97.98957634
ADV1014371	4/3/2025	3.805	4/3/2028	110.63519	107.9368629	105.3189839	102.7786565	100.3131088	97.91968694	95.59584937	93.33916101	91.14728809
ADV1013762	3/18/2025	4.021	3/18/2027	106.50731	104.9220675	103.3685467	101.8458658	100.3531761	98.88965938	97.45452706	96.04701853	94.6664
ADV1014915	4/25/2025	4.745	4/26/2038	147.92915	133.524468	120.7665121	109.4541209	99.41185585	90.48658673	82.54454372	75.46877243	69.15693547
ADV1013718	3/7/2025	4.215	1/7/2026	101.45847	101.0895788	100.7233171	100.3596568	99.9985701	99.64002972	99.28400872	98.93048055	98.57941903
ADV1013632	3/18/2025	4.037	9/18/2029	117.4444	113.1144006	108.9716659	105.0070651	101.2119614	97.57818493	94.09800473	90.7641025	87.56954839
ADV1014143	3/27/2025	4.047	9/28/2026	104.46197	103.3552704	102.2720661	101.211614	100.173202	99.15614761	98.15979615	97.18351954	96.22671487
ADV1013933	3/17/2025	4.166	8/31/2029	117.76139	113.4775998	109.3772022	105.4513454	101.6916506	98.09018701	94.63944514	91.33231215	88.16204874
ADV1014008	3/20/2025	4.041	4/11/2028	111.35028	108.6194491	105.970495	103.4004506	100.906476	98.48585321	96.1359802	93.85436497	91.63862007
ADV1014491	4/9/2025	3.958	4/17/2028	111.20286	108.4567939	105.7934769	103.2098906	100.7031497	98.27049376	95.90928091	93.61698166	91.39117336

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015017	4/29/2025	4.2	4/29/2032	127.43021	120.0850614	113.2266026	106.8197795	100.8322497	95.23415775	89.9979311	85.09809374	80.51109585
ADV1014921	4/25/2025	3.873	4/26/2028	111.07772	108.3074691	105.6213076	103.0161491	100.4890386	98.03715017	95.6577806	93.34834267	91.10635945
ADV1014151	3/27/2025	4.117	4/5/2028	111.47731	108.7620286	106.1277563	103.5715708	101.0906771	98.68239972	96.34417624	94.07355204	91.86817479
ADV1014441	4/7/2025	4.254	10/7/2025	100.41857	100.3139262	100.2095037	100.1053063	100.0013332	99.89758374	99.79405712	99.69075258	99.58766938
ADV1014264	3/31/2025	3.924	3/31/2027	106.62689	105.0030917	103.4122153	101.8533321	100.325544	98.82798646	97.35982651	95.92026164	94.50851825
ADV1014281	4/1/2025	4.073	4/2/2029	115.44406	111.64067	107.985581	104.4721662	101.0941389	97.84552807	94.72066126	91.71414732	88.82086093
ADV1014163	3/31/2025	4.207	3/29/2030	120.36712	115.4177065	110.7055398	106.2179353	101.9429533	97.86935415	93.98655356	90.28458046	86.75403822
ADV1014534	4/11/2025	4.136	4/13/2026	102.49793	101.869151	101.2481082	100.6346545	100.028651	99.42996233	98.83845637	98.25400414	97.67647976
ADV1014901	4/25/2025	3.911	4/26/2027	106.81923	105.1220823	103.4603304	101.8329351	100.2388946	98.67724611	97.14706404	95.64745801	94.17757123
ADV1014208	3/28/2025	4.046	9/28/2026	104.38358	103.278482	102.19683	101.1378826	100.1009297	99.08529066	98.09031249	97.11536879	96.15985822
ADV1014317	4/2/2025	4.027	4/3/2028	111.21997	108.5138915	105.8884417	103.3407152	100.867935	98.46744219	96.1366902	93.87323924	91.67475103
ADV1015015	4/29/2025	3.904	4/29/2030	119.27914	114.2642568	109.4938741	104.9546971	100.6342329	96.52073402	92.60314992	88.87108111	85.31473726
ADV1014471	4/8/2025	3.91	4/9/2029	115.12314	111.3002119	107.6271789	104.0973067	100.7042078	97.44181805	94.3043778	91.286415	88.38272891
ADV1014575	4/14/2025	4.214	7/30/2030	121.74165	116.4044299	111.3390259	106.5301297	101.963374	97.62526987	93.50314831	89.58510634	85.85995686
ADV1014776	4/22/2025	4.075	4/22/2026	102.55669	101.9027406	101.2571495	100.6197521	99.99039301	99.36892059	98.75518706	98.14904829	97.55036371
ADV1015059	4/30/2025	3.646	4/28/2028	110.68437	107.9094336	105.2189932	102.6099333	100.0792768	97.62417684	95.24191056	92.92987234	90.68556798
ADV1013625	3/4/2025	4.136	3/4/2026	102.05129	101.5348798	101.0237021	100.5176768	100.0167261	99.52077378	99.02974534	98.54356757	98.06216876
ADV1014379	4/3/2025	3.852	4/4/2029	114.85438	111.0508709	107.3960727	103.8833327	100.506332	97.25907039	94.13584788	91.13124805	88.24012212
ADV1015044	4/30/2025	3.876	4/29/2030	119.14587	114.1341187	109.3667548	104.8304884	100.5128315	96.40204134	92.4870715	88.75752664	85.20362031
ADV1013930	3/17/2025	4.029	3/17/2027	106.61985	105.0345476	103.4809683	101.9582278	100.4654778	99.00190085	97.56670887	96.15914178	94.77846629
ADV1014366	4/3/2025	3.84	4/5/2027	106.44324	104.8088001	103.207662	101.6388763	100.1015285	98.59473821	97.11765792	95.66947107	94.24939085
ADV1014296	4/1/2025	4.111	4/1/2026	102.35102	101.7560333	101.167968	100.5867014	100.0121163	99.44409778	98.88253376	98.32731465	97.77833332
ADV1014647	4/16/2025	3.9	4/17/2028	111.04683	108.3028248	105.6415162	103.059893	100.5550713	98.12429215	95.76491483	93.47441109	91.25035945
ADV1014154	3/27/2025	4.111	3/29/2027	106.7864	105.1686979	103.5837079	102.0305017	100.5081904	99.01591793	97.55285947	96.11822022	94.71123386
ADV1014924	4/25/2025	3.886	7/26/2028	112.13631	109.0952827	106.1537408	103.3078885	100.5540978	97.88889919	95.30897283	92.81114178	90.39236484
ADV1013627	3/14/2025	4.038	9/14/2029	117.4026	113.085138	108.9540092	105.0001431	101.2149636	97.59035704	94.11864431	90.79255553	87.60520572
ADV1014853	4/24/2025	3.914	10/15/2027	108.91796	106.7215437	104.5808397	102.4940487	100.4594412	98.47535658	96.54020048	94.65244114	92.81060656
ADV1014883	4/24/2025	4.095	4/24/2026	102.5914	101.9317832	101.2806644	100.6378761	100.0032587	99.37665717	98.75792	98.14689965	97.54345222
ADV1014432	4/7/2025	3.684	4/7/2028	110.55342	107.8405318	105.2088822	102.6555294	100.1776619	97.77258856	95.43773286	93.17062667	90.96890518
ADV1015089	4/30/2025	4.384	9/24/2025	100.28353	100.2158646	100.1482978	100.080831	100.0134639	99.94619636	99.8790281	99.81195892	99.74498861
ADV1014773	4/22/2025	4.146	4/12/2030	119.98408	115.0102793	110.276484	105.7697714	101.4779894	97.38970372	93.49415122	89.78119678	86.2412931
ADV1014045	3/21/2025	4.051	11/14/2028	113.91891	110.5361688	107.273311	104.125351	101.0875467	98.15538367	95.32456288	92.5909886	89.9507574
ADV1014350	5/19/2025	3.87	5/21/2029	115.44341	111.4946552	107.7047453	104.0663493	100.5725251	97.21669319	93.99261456	90.89437115	87.91634698

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014357	5/19/2025	3.916	5/17/2030	119.51802	114.446556	109.6245012	105.0381742	100.6747248	96.52207739	92.56887934	88.80445345	85.21875377
ADV1014348	5/2/2025	3.91	5/2/2030	119.34205	114.3172295	109.5377401	104.9902245	100.6621299	96.54165418	92.61769588	88.87980899	85.31816026
ADV1014355	5/2/2025	3.88	5/2/2029	115.27506	111.3828641	107.6454411	104.0557366	100.6070632	97.29307763	94.10776071	91.04539864	88.10056551
ADV1014352	5/19/2025	3.823	5/19/2028	111.19908	108.3629491	105.6145178	102.9504971	100.3677447	97.86325926	95.4341727	93.07774309	90.79134812
ADV1014571	6/2/2025	3.994	6/1/2028	111.82367	108.9426562	106.1516075	103.4471147	100.8259253	98.2849341	95.82117498	93.43181369	91.11414078
ADV1014345	5/2/2025	3.831	5/2/2028	111.0358	108.2491601	105.5475209	102.9277451	100.3868306	97.92190702	95.53022953	93.20917179	90.95622013
ADV1013790	6/5/2025	4.53	6/5/2036	141.33593	129.1794172	118.237334	108.3798859	99.49185833	91.47090811	84.22606195	77.67639681	71.74987992
ADV1014359	5/19/2025	3.916	5/17/2030	119.51802	114.446556	109.6245012	105.0381742	100.6747248	96.52207739	92.56887934	88.80445345	85.21875377
ADV1014573	6/2/2025	3.994	6/1/2028	111.82367	108.9426562	106.1516075	103.4471147	100.8259253	98.2849341	95.82117498	93.43181369	91.11414078
ADV1013783	5/1/2025	3.979	5/1/2028	111.4261	108.6369057	105.9326902	103.3103129	100.7667757	98.2992123	95.90488141	93.58115997	91.32553734
ADV1014244	6/20/2025	4.285	6/20/2031	125.31276	118.9365291	112.9348408	107.2836138	101.9604406	96.9444619	92.21625214	87.7577134	83.55197806
ADV1014356	5/19/2025	3.874	5/21/2029	115.45856	111.5095231	107.7193369	104.0806727	100.5865882	97.23050353	94.0061794	90.90769748	87.92944153
ADV1014347	5/2/2025	3.876	5/2/2029	115.26012	111.3681985	107.6310444	104.0416009	100.5931809	97.27944149	94.09436374	91.03223408	88.08762686
ADV1013780	5/1/2025	4.084	5/1/2030	120.15938	115.1182829	110.3229384	105.7599783	101.4168407	97.2817139	93.34348727	89.59170533	86.01652543
ADV1014567	6/2/2025	4.172	5/31/2030	120.89913	115.7553336	110.8658218	106.2165609	101.7943755	97.58688959	93.58247359	89.77019432	86.13976929
ADV1014353	5/2/2025	3.914	5/2/2030	119.36108	114.3358141	109.5558955	105.0079657	100.6794716	96.55861017	92.63427943	88.8960328	85.33403649
ADV1014568	6/2/2025	4.172	5/31/2030	120.89913	115.7553336	110.8658218	106.2165609	101.7943755	97.58688959	93.58247359	89.77019432	86.13976929
ADV1013781	5/1/2025	3.979	5/1/2028	111.4261	108.6369057	105.9326902	103.3103129	100.7667757	98.2992123	95.90488141	93.58115997	91.32553734
ADV1014349	5/2/2025	3.834	5/3/2027	106.77924	105.0629389	103.3827233	101.737522	100.126304	98.54807892	97.00189506	95.48683734	94.00202561
ADV1014569	6/2/2025	3.994	6/1/2028	111.82367	108.9426562	106.1516075	103.4471147	100.8259253	98.2849341	95.82117498	93.43181369	91.11414078
ADV1014572	6/2/2025	3.994	6/1/2028	111.82367	108.9426562	106.1516075	103.4471147	100.8259253	98.2849341	95.82117498	93.43181369	91.11414078
ADV1013784	5/1/2025	3.985	5/1/2028	111.44237	108.6529543	105.948522	103.3259329	100.7821888	98.3144232	95.91989467	93.59598002	91.34016846
ADV1016844	6/27/2025	3.926	12/28/2026	105.37665	104.0249153	102.697943	101.3950887	100.1157336	98.85928016	97.6251509	96.41278761	95.22165059
ADV1015450	5/13/2025	4.148	1/15/2027	105.90009	104.4969944	103.1193866	101.7666309	100.4381123	99.13323518	97.85142341	96.59211893	95.35478134
ADV1016190	6/4/2025	4.48	6/6/2033	132.77947	124.0892911	116.0549962	108.6231105	101.7448036	95.37546196	89.47430349	84.00402888	78.93050659
ADV1016660	6/23/2025	3.991	12/23/2026	105.40424	104.0635676	102.7488747	101.4594243	100.1945099	98.95345135	97.73559388	96.54030684	95.36698254
ADV1015729	5/21/2025	4.411	11/21/2025	100.94985	100.7180875	100.4873838	100.2577336	100.0291296	99.80156459	99.57503148	99.3495232	99.12503277
ADV1015141	5/1/2025	3.883	11/2/2026	104.64669	103.4416509	102.2644153	101.1140272	99.98957497	98.89018797	97.81503407	96.76331769	95.73427771
ADV1015742	5/21/2025	4.452	9/17/2025	100.20686	100.1590659	100.1113379	100.0636714	100.0160661	99.96852189	99.92103872	99.87361643	99.82625491
ADV1016020	5/29/2025	4.043	6/29/2027	107.85758	105.9723146	104.1294715	102.3278424	100.5662642	98.84361416	97.15880815	95.5107991	93.89857545
ADV1016268	6/6/2025	4.466	9/8/2025	100.10417	100.0817401	100.0593368	100.0369566	100.0145997	99.99226589	99.96995521	99.94766761	99.92540304
ADV1016006	5/29/2025	4.023	8/30/2027	108.5829	106.5197804	104.50692	102.5427715	100.6258504	98.75472817	96.92802934	95.14442929	93.40265193
ADV1016572	6/18/2025	4.479	9/18/2025	100.21476	100.1643239	100.113954	100.0636502	100.0134125	99.96324069	99.91313464	99.86309421	99.81311929

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015607	5/16/2025	4.227	5/18/2026	102.95609	102.2285156	101.5112453	100.8040646	100.1067613	99.41912922	98.74096767	98.07208164	97.41228139
ADV1016861	6/27/2025	3.858	12/28/2026	105.38089	104.0276253	102.6991662	101.3948732	100.1141261	98.85632568	97.62089285	96.40726798	95.21490993
ADV1016523	6/27/2025	3.998	6/27/2028	112.13645	109.1762475	106.3104884	103.5356501	100.8483582	98.24538287	95.72363128	93.28014137	90.91207542
ADV1015592	5/16/2025	4.047	5/16/2028	111.78315	108.9472558	106.1987886	103.5344736	100.9511874	98.44594595	96.01589756	93.65831543	91.37059137
ADV1016363	6/11/2025	4.03	12/13/2027	109.88744	107.5142163	105.2046484	102.9566105	100.7680603	98.63703839	96.56166503	94.54013555	92.57071707
ADV1016674	6/23/2025	4.239	4/23/2026	102.67452	102.0173682	101.3686477	100.7281925	100.0958452	99.47145219	98.85486398	98.24593463	97.64452186
ADV1016859	6/27/2025	3.825	12/27/2027	109.56739	107.1592426	104.8165917	102.5372816	100.3192417	98.16048168	96.05908823	94.01322118	92.02111044
ADV1016835	6/27/2025	4.467	9/26/2025	100.30218	100.2293536	100.1566394	100.0840367	100.0115454	99.93916516	99.86689577	99.79473698	99.72268853
ADV1016573	6/18/2025	4.479	9/18/2025	100.21476	100.1643239	100.113954	100.0636502	100.0134125	99.96324069	99.91313464	99.86309421	99.81311929
ADV1016187	6/4/2025	4.008	6/4/2029	116.12822	112.126877	108.2877598	104.603341	101.0664901	97.67044988	94.40881462	91.27550908	88.26476943
ADV1016695	6/24/2025	3.904	6/26/2028	111.85591	108.9026156	106.0434947	103.275034	100.593867	97.99677144	95.48066248	93.04258569	90.67971095
ADV1016758	6/25/2025	4.257	3/25/2026	102.35295	101.7773434	101.2082218	100.6454758	100.0889984	99.53868525	98.99443414	98.45614515	97.92372056
ADV1016370	6/13/2025	4.12	6/13/2030	120.78456	115.6053377	110.6839067	106.0060091	101.5582518	97.32805163	93.30358191	89.4737224	85.82801341
ADV1016016	5/29/2025	4.043	5/28/2027	107.44531	105.6544473	103.9023396	102.1877983	100.5096798	98.86688727	97.25836856	95.68311353	94.1401521
ADV1015680	5/20/2025	4.141	11/24/2026	105.23704	103.9662534	102.7262492	101.515917	100.3341997	99.18008964	98.05262634	96.95089332	95.87401572
ADV1016748	6/25/2025	4.336	1/26/2026	101.7159	101.2969045	100.8813271	100.4691251	100.0602577	99.65468435	99.25236545	98.8532619	98.45733528
ADV1016303	6/10/2025	4.187	6/10/2030	121.07928	115.901813	110.9815573	106.3042988	101.8566851	97.62617156	93.60096832	89.76999006	86.12281013
ADV1015859	5/27/2025	4.005	5/27/2027	107.49279	105.7019994	103.9499563	102.2354695	100.5573961	98.91464037	97.30615079	95.73091803	94.1879727
ADV1015732	5/21/2025	4.45	9/22/2025	100.26247	100.2005932	100.138807	100.0771087	100.0154983	99.95397543	99.89254003	99.83119188	99.76993078
ADV1016073	5/30/2025	4.033	11/16/2026	105.08603	103.837471	102.6186579	101.4285383	100.2661064	99.13040268	98.02051173	96.93555949	95.87471099
ADV1016112	6/2/2025	3.955	6/2/2027	107.48486	105.6774775	103.9094827	102.1796639	100.4868606	98.82995934	97.20789189	95.61963242	94.06419555
ADV1016205	6/4/2025	4.058	12/4/2026	105.26219	103.9653503	102.6991174	101.4624114	100.2542009	99.07350276	97.9193784	96.79093185	95.68730718
ADV1016864	6/27/2025	4.101	6/29/2026	103.34093	102.4950831	101.6631028	100.844646	100.0393849	99.24700196	98.46718985	97.69965096	96.94409697
ADV1016437	6/13/2025	4.393	12/15/2025	101.2285	100.9290913	100.6314508	100.3355593	100.0414013	99.74896148	99.45822472	99.16917608	98.88180079
ADV1015404	5/12/2025	4.306	1/12/2026	101.54172	101.1609812	100.783069	100.4079477	100.0355862	99.66595409	99.29902126	98.93475816	98.57313561
ADV1016693	6/24/2025	3.834	6/26/2028	111.86615	108.9079494	106.0441835	103.2713191	100.5859777	97.98492549	95.46506668	93.02343663	90.65719549
ADV1016886	6/30/2025	4.027	6/30/2026	103.34919	102.499732	101.6642536	100.842409	100.0338663	99.23830443	98.45541234	97.684889	96.9264428
ADV1015205	5/5/2025	4.159	5/5/2026	102.7605	102.0697678	101.3883391	100.7160229	100.0526371	99.39800437	98.75195207	98.1143121	97.48492072
ADV1015990	5/29/2025	4.007	5/1/2028	111.45974	108.6735613	105.9736331	103.3566985	100.8196522	98.35952903	95.97349648	93.65884751	91.412994
ADV1015577	5/16/2025	4.282	2/17/2026	101.96138	101.4770422	100.9972348	100.5218985	100.050971	99.58439104	99.12209868	98.66403493	98.21014191
ADV1015333	5/8/2025	4.077	11/9/2026	104.96643	103.7396576	102.5416373	101.3713685	100.2278939	99.11029954	98.0177128	96.94929987	95.90426369
ADV1015773	5/22/2025	4.095	9/22/2028	113.43529	110.2106696	107.0962884	104.0877381	101.1808155	98.37151036	95.65599523	93.0306157	90.49188165
ADV1015722	5/21/2025	4.092	5/21/2027	107.44346	105.6718311	103.9382312	102.2415036	100.5805358	98.95426056	97.36165357	95.80173097	94.27354755

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015921	5/28/2025	4.051	1/26/2028	110.45535	107.953537	105.5218423	103.1579018	100.8594496	98.62430935	96.45038991	94.33568146	92.27825188
ADV1015448	5/13/2025	4.146	1/22/2027	105.98367	104.5609155	103.1643188	101.7932216	100.4469854	99.12499231	97.82664469	96.55136401	95.29859022
ADV1016566	6/18/2025	4.019	6/18/2027	107.67351	105.8212114	104.0100385	102.2387895	100.5063048	98.81146806	97.15320397	95.53047646	93.9422869
ADV1016760	6/25/2025	3.877	9/25/2029	117.17341	112.8198158	108.6555128	104.6712184	100.8581621	97.20804952	93.71303456	90.36569201	87.15899276
ADV1016436	6/13/2025	4.056	12/14/2026	105.47404	104.1517263	102.8576474	101.5909013	100.350623	99.13598455	97.94619234	96.78048589	95.63813586
ADV1015923	5/28/2025	4.048	3/29/2028	111.21119	108.5193554	105.9074083	103.3724895	100.9118589	98.52289218	96.20307546	93.94999964	91.76135534
ADV1016757	6/25/2025	4.294	2/25/2026	102.05601	101.5507935	101.0505205	100.5551164	100.0645105	99.57863337	99.09741703	98.62079468	98.14870084
ADV1016606	6/20/2025	4.481	9/22/2025	100.25946	100.1978093	100.1362438	100.074766	100.0133756	99.95207259	99.89085668	99.82972769	99.76868546
ADV1015622	5/19/2025	4.184	5/19/2026	102.98707	102.2559139	101.5351663	100.8246037	100.1240109	99.43317877	98.75190395	98.0799887	97.41724075
ADV1016690	6/24/2025	4.017	6/24/2030	120.39563	115.193538	110.2519746	105.5564904	101.0935164	96.85030222	92.81486189	88.97592437	85.32288714
ADV1016250	6/5/2025	4.672	6/15/2035	140.30314	129.1884138	119.0958995	109.924761	101.5846478	93.99455471	87.08180939	80.78117453	75.03405064
ADV1016560	6/18/2025	4.48	9/17/2025	100.20358	100.1559524	100.108384	100.0608767	100.0134306	99.9660453	99.91872085	99.87145709	99.82425388
ADV1015716	5/21/2025	4.107	11/23/2026	105.27033	104.0007615	102.7618981	101.5526375	100.3719265	99.21876131	98.09218491	96.99128405	95.91518696
ADV1016264	6/6/2025	4.316	3/6/2026	102.17602	101.6435855	101.1166235	100.5950509	100.0787854	99.56774636	99.0618546	98.56103266	98.06520461
ADV1016856	6/27/2025	3.926	12/28/2026	105.37665	104.0249153	102.697943	101.3950887	100.1157336	98.85928016	97.6251509	96.41278761	95.22165059
ADV1015259	5/6/2025	4.011	5/1/2030	119.81138	114.7783982	109.9908734	105.4354556	101.0995952	96.97149189	93.04004615	89.29481288	85.72595934
ADV1016173	6/4/2025	3.966	6/4/2027	107.52996	105.7164655	103.9425932	102.207128	100.5089089	98.84682199	97.2197976	95.62680839	94.06686705
ADV1016305	6/9/2025	4.397	11/10/2025	100.81485	100.6148339	100.4156188	100.217196	100.0195609	99.82270854	99.62663434	99.4313336	99.23680169
ADV1015602	5/16/2025	4.132	12/16/2026	105.50521	104.1796191	102.8817278	101.6106684	100.3656124	99.14576591	97.95036734	96.77868608	95.63002083
ADV1016023	5/29/2025	4.018	10/29/2027	109.31023	107.0707472	104.8887734	102.7624228	100.6898842	98.66942053	96.69936477	94.77811679	92.90413991
ADV1016602	6/20/2025	3.899	6/20/2028	111.98282	109.0402141	106.1910622	103.4318581	100.7592499	98.17003167	95.6611359	93.22962641	90.87269205
ADV1016688	6/24/2025	3.925	10/24/2028	113.26761	109.9553583	106.7588443	103.6733323	100.6943105	97.81748013	95.03874345	92.3541933	89.76010274
ADV1016797	6/26/2025	3.929	12/28/2026	105.38113	104.0293645	102.7023578	101.3994685	100.1200781	98.863589	97.62942379	96.41702431	95.22585086
ADV1015501	5/14/2025	4.215	11/16/2026	105.22474	103.9765651	102.7581061	101.5683048	100.4061573	99.27070598	98.1610372	97.07627852	96.01559652
ADV1015920	5/28/2025	4.122	2/24/2027	106.38074	104.8579605	103.3649234	101.9008302	100.4649119	99.05642618	97.6746562	96.31890977	94.9885181
ADV1015733	5/21/2025	4.45	9/22/2025	100.26247	100.2005932	100.138807	100.0771087	100.0154983	99.95397543	99.89254003	99.83119188	99.76993078
ADV1015739	5/21/2025	4.182	11/23/2026	105.27513	104.006904	102.7693315	101.5613082	100.3817835	99.2297561	98.10427114	97.00441759	95.92932574
ADV1016754	6/25/2025	4.454	10/29/2025	100.68187	100.5161186	100.3509076	100.1862368	100.0221034	99.85850485	99.69543858	99.53290197	99.37089248
ADV1015209	5/5/2025	4.156	5/5/2026	102.75844	102.0677159	101.386295	100.7139866	100.0506084	99.39598325	98.74993847	98.11230595	97.48292194
ADV1016890	6/30/2025	3.814	1/12/2028	109.72005	107.2659556	104.8797038	102.5590415	100.3018061	98.10591938	95.96938292	93.89027506	91.86674725
ADV1016651	6/23/2025	3.956	6/25/2029	116.16653	112.1034399	108.2072914	104.470339	100.8852354	97.4450113	94.14305435	90.97308862	87.92915582
ADV1016051	5/30/2025	4.151	10/30/2026	104.92143	103.7230878	102.5521891	101.4077972	100.2890184	99.19499913	98.124923	97.0780094	96.05351127
ADV1016402	6/12/2025	4.293	3/12/2026	102.23301	101.6836752	101.1401772	100.6024185	100.0703087	99.54375899	99.02268243	98.50699395	97.99661024

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015461	5/15/2025	4.208	5/15/2030	120.89826	115.7999349	110.9516571	106.3397389	101.95132	97.77431412	93.79735722	90.00976044	86.40146572
ADV1015283	5/7/2025	3.886	5/8/2028	111.25144	108.4451546	105.7248724	103.0873976	100.5296772	98.04879376	95.64195764	93.30650068	91.03986982
ADV1015800	5/23/2025	3.993	5/24/2027	107.43446	105.6524416	103.9088476	102.2025017	100.5322749	98.89708444	97.29589098	95.72769677	94.19154333
ADV1016515	6/17/2025	4.38	6/13/2031	125.48198	119.1327971	113.1550129	107.5248078	102.220018	97.22001031	92.50556879	88.05878957	83.86298447
ADV1016003	5/29/2025	4.704	7/13/2035	140.83029	129.6117421	119.431576	110.1867356	101.784942	94.14351089	87.18830912	80.85282942	75.07736935
ADV1015254	5/6/2025	3.881	5/1/2028	111.15946	108.3738939	105.6732171	103.0542958	100.5141346	98.04986979	95.65876231	93.33819147	91.08564885
ADV1016938	6/30/2025	3.748	12/29/2028	113.66618	110.1541745	106.7708445	103.5107996	100.3689014	97.34025319	94.42018708	91.60425225	88.88820358
ADV1015986	5/29/2025	4.41	11/28/2025	101.03052	100.779055	100.5288256	100.2798233	100.0320391	99.78546409	99.54008946	99.29590647	99.05290647
ADV1016702	6/24/2025	4.367	12/24/2025	101.32713	101.0024938	100.6799255	100.3594039	100.0409095	99.72442319	99.40992587	99.09739881	98.7868235
ADV1015561	5/15/2025	4.166	4/15/2030	120.36858	115.3693781	110.6118675	106.0830118	101.7705505	97.66294843	93.74934948	90.0195321	86.46386889
ADV1015633	5/19/2025	4.236	5/19/2026	102.97373	102.2432919	101.5232451	100.8133644	100.1134353	99.42324914	98.74260321	98.0713003	97.40914862
ADV1015719	5/21/2025	4.449	9/22/2025	100.2624	100.2005285	100.1387425	100.0770444	100.0154342	99.95391158	99.89247639	99.83112844	99.76986754
ADV1015267	5/6/2025	4.295	5/1/2035	121.65956	115.9479683	110.6169779	105.6368573	100.980452	96.62294523	92.5416393	88.71575938	85.12627644
ADV1016015	5/29/2025	4.251	5/29/2026	103.09955	102.3408669	101.5933612	100.8567902	100.1309151	99.41550391	98.7103314	98.01517873	97.32983328
ADV1015595	5/16/2025	4.191	8/17/2026	104.0081	103.0225748	102.0557739	101.1071693	100.17625	99.26252396	98.36551731	97.48477341	96.61985214
ADV1016330	6/10/2025	4.468	9/10/2025	100.12594	100.0979148	100.0699203	100.0419564	100.014023	99.98612005	99.95824755	99.93040542	99.9025936
ADV1016308	6/9/2025	4.469	9/9/2025	100.11494	100.0897148	100.0645183	100.0393487	100.0142058	99.98908972	99.96400029	99.93893751	99.91390131
ADV1016768	6/25/2025	3.988	12/28/2026	105.46058	104.1082514	102.7806944	101.4772642	100.197342	98.94032987	97.70565021	96.49274462	95.30107318
ADV1016046	5/30/2025	4.425	10/30/2025	100.69273	100.5236407	100.3551096	100.1871364	100.0197185	99.85285312	99.68653754	99.52076906	99.35554502
ADV1015883	5/28/2025	4.118	2/19/2030	119.52924	114.7095873	110.1167522	105.7388297	101.5646038	97.58350311	93.78556001	90.16137331	86.70207293
ADV1016873	6/27/2025	3.824	12/27/2029	117.95667	113.3200071	108.89536	104.6719156	100.6394662	96.78837457	93.10953925	89.59436214	86.23471789
ADV1015871	5/27/2025	4.07	5/27/2027	107.48024	105.6918028	103.9420304	102.2297306	100.5537638	98.91303761	97.30650352	95.73315511	94.19202571
ADV1016054	5/30/2025	3.973	5/28/2027	107.44872	105.6555909	103.9013049	102.1846664	100.5045284	98.85979111	97.24939932	95.67234014	94.12764085
ADV1015546	5/15/2025	4.256	4/15/2026	102.59523	101.9605535	101.3337459	100.7146636	100.1031641	99.49910831	98.90236072	98.31278897	97.73026391
ADV1016219	6/5/2025	3.94	3/5/2027	106.33313	104.7831301	103.263793	101.7742867	100.3138058	98.88157358	97.47684047	96.09888306	94.74700285
ADV1016644	6/23/2025	4.815	6/23/2039	152.84252	136.9247478	122.9645581	110.7047667	99.9234941	90.42914152	82.05610699	74.66112674	68.12014829
ADV1016552	6/17/2025	4.289	4/17/2026	102.63882	101.998439	101.3660668	100.7415549	100.124757	99.51553046	98.91373627	98.31923872	97.73190539
ADV1016525	6/17/2025	4.479	9/17/2025	100.2037	100.1560645	100.1084904	100.0609775	100.0135256	99.96613459	99.91880443	99.87153497	99.82432608
ADV1016867	6/27/2025	4.467	9/29/2025	100.33576	100.2545068	100.1733856	100.0923956	100.0115366	99.93080814	99.85021	99.76974186	99.68940342
ADV1016004	5/29/2025	4.695	5/15/2035	140.28405	129.2572448	119.2367986	110.1241302	101.8308489	94.27765131	87.39334183	81.1139629	75.38202322
ADV1015932	5/28/2025	4.284	5/28/2026	103.11263	102.3566709	101.6118129	100.877813	100.1544348	99.44144885	98.73863206	98.04576781	97.36264556
ADV1016252	6/5/2025	4.103	12/7/2026	105.35688	104.0526417	102.7782846	101.5327835	100.3151571	99.12446858	97.95982304	96.82036506	95.70527664
ADV1015604	5/16/2025	4.108	2/16/2027	106.25445	104.7567828	103.2879427	101.8471654	100.4337158	99.04688412	97.68598463	96.35035468	95.03935377

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016185	6/4/2025	4.008	6/4/2029	116.12822	112.126877	108.2877598	104.603341	101.0664901	97.67044988	94.40881462	91.27550908	88.26476943
ADV1015596	5/16/2025	4.16	5/16/2030	120.6787	115.582703	110.7368295	106.1273807	101.7414847	97.56704457	93.59268686	89.80771415	86.2020608
ADV1016014	5/29/2025	4.387	12/31/2025	101.4221	101.0763765	100.7329683	100.3918565	100.0530182	99.71643071	99.38207176	99.04991934	98.7199517
ADV1016732	6/24/2025	3.886	10/24/2028	113.14269	109.8324367	106.6378695	103.5542538	100.5770795	97.70204916	94.92506691	92.24222703	89.64980406
ADV1016663	6/23/2025	3.993	12/23/2026	105.4069	104.0662094	102.7514981	101.4620298	100.1970976	98.95602167	97.73814708	96.54284319	95.36950232
ADV1016192	6/4/2025	4.65	6/4/2035	140.00122	128.9321445	118.8786063	109.7406401	101.4286614	93.86233747	86.96958602	80.6856866	74.95249203
ADV1016615	6/20/2025	4.482	9/22/2025	100.25953	100.1978729	100.1363073	100.0748293	100.0134388	99.95213558	99.89091951	99.82979037	99.76874797
ADV1015266	5/6/2025	3.883	5/1/2028	111.16488	108.379243	105.6784939	103.059502	100.5192719	98.05493963	95.66376626	93.34313102	91.09052543
ADV1016340	6/10/2025	4.186	6/10/2030	121.07442	115.8970631	110.9769195	106.2997692	101.8522596	97.62184671	93.59674049	89.76585589	86.1187664
ADV1016791	6/26/2025	3.847	6/28/2027	107.48238	105.6035255	103.7669108	101.9713292	100.2156198	98.4986622	96.81937477	95.17671307	93.56966827
ADV1015497	5/14/2025	4.171	5/14/2030	118.74993	114.2109747	109.8888685	105.7718679	101.8489339	98.10968619	94.54436032	91.14376725	87.89925626
ADV1015786	5/22/2025	4.18	5/22/2026	103.01865	102.2790376	101.5500649	100.8315064	100.1231398	99.42474898	98.73612391	98.05706045	97.38736012
ADV1016218	6/5/2025	3.866	12/6/2027	109.59538	107.2415994	104.9506085	102.7202876	100.5486041	98.43361016	96.37343886	94.36629973	92.41047507
ADV1016439	6/13/2025	4.475	9/15/2025	100.18174	100.1396943	100.0977027	100.0557629	100.0138745	99.9720377	99.93025224	99.88851806	99.84683506
ADV1016078	5/30/2025	4.146	8/31/2026	104.13257	103.1073314	102.1023202	101.1169393	100.1506172	99.20280454	98.27297266	97.36061302	96.46523607
ADV1015874	5/27/2025	4.125	5/28/2030	120.63578	115.5066534	110.6307984	105.9942519	101.5839073	97.38745196	93.39331469	89.59061633	85.9691242
ADV1016862	6/27/2025	4.031	6/29/2026	103.34141	102.4947627	101.6620006	100.8427863	100.036791	99.24369641	98.46319434	97.69498643	96.93878366
ADV1016709	6/24/2025	4.472	9/22/2025	100.25822	100.1965994	100.1350656	100.0736193	100.0122606	99.95098909	99.88980466	99.82870712	99.76769628
ADV1016845	6/27/2025	3.853	6/28/2027	107.49303	105.6140865	103.7773765	101.9817016	100.2259009	98.50885391	96.82947894	95.18673148	93.57960264
ADV1015720	5/21/2025	4.41	11/21/2025	100.94962	100.7178573	100.4871548	100.2575058	100.0289029	99.80133903	99.57480705	99.3492999	99.12481059
ADV1015606	5/16/2025	4.099	3/16/2027	106.60449	105.0239438	103.4749633	101.9566737	100.4682329	99.0088291	97.57767955	96.17402935	94.79715006
ADV1016222	6/5/2025	4.055	6/5/2030	120.38513	115.2389069	110.3479075	105.6980322	101.2760393	97.0694899	93.06669436	89.25666253	85.62905799
ADV1016833	6/27/2025	4.41	12/3/2025	101.08578	100.8209926	100.5575778	100.2955286	100.0348344	99.77548468	99.51746904	99.26077721	99.005399
ADV1015581	5/16/2025	4.138	5/18/2026	102.94265	102.2144593	101.4965978	100.7888437	100.0909841	99.40281212	98.7241267	98.05473226	97.39443858
ADV1016659	6/23/2025	4.132	6/23/2026	103.29871	102.4697075	101.6540385	100.8513804	100.0614232	99.28386685	98.51842055	97.76480264	97.02274011
ADV1015992	5/29/2025	4.109	5/1/2030	119.4178	114.5824089	109.9820056	105.6037357	101.4355281	97.46604004	93.68460827	90.08120438	86.64639305
ADV1016522	6/27/2025	4.104	6/27/2030	120.85353	115.6316309	110.6715036	105.9586256	101.4793586	97.22088589	93.17115881	89.31884674	85.65329077
ADV1016182	6/4/2025	4.395	12/4/2025	101.09756	100.8292051	100.5622642	100.2967236	100.0325721	99.76979897	99.50839327	99.24834438	98.98964172
ADV1016118	6/3/2025	4.124	4/25/2030	120.28344	115.256972	110.4747629	105.9235727	101.5909513	97.46519007	93.53527268	89.7908305	86.22210069
ADV1016480	6/16/2025	4.481	9/16/2025	100.19273	100.1478997	100.1031214	100.0583995	100.0137338	99.96912421	99.92457064	99.88007298	99.83563112
ADV1016019	5/29/2025	4.167	8/31/2026	104.15416	103.1288057	102.1236803	101.1381866	100.1717529	99.2238298	98.29388868	97.38142098	96.48593711
ADV1016759	6/25/2025	4.224	4/22/2026	102.65304	101.9987598	101.3528384	100.7151135	100.0854296	99.46363507	98.84958206	98.24312641	97.64412753
ADV1015462	5/15/2025	4.1	10/25/2027	109.44313	107.2132664	105.0404495	102.9228163	100.8585777	98.84601711	96.88348716	94.96940604	93.10225442

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016341	6/10/2025	4.35	1/12/2026	101.55373	101.1741767	100.7974413	100.4234879	100.0522857	99.68380441	99.31801402	98.95488505	98.5943884
ADV1015383	5/9/2025	4.029	5/9/2030	120.34379	115.2645065	110.4340741	105.8388932	101.4661842	97.30393501	93.34084985	89.56630274	85.97029362
ADV1015504	5/14/2025	4.454	9/15/2025	100.18582	100.143623	100.1014796	100.0593882	100.0173484	99.97536038	99.93342388	99.89153885	99.84970518
ADV1016100	6/2/2025	4.108	12/2/2026	105.30149	104.0088992	102.7474146	101.5159172	100.3133425	99.13867564	97.99094919	96.86923994	95.77266655
ADV1015864	5/27/2025	4.346	2/27/2026	102.11042	101.5975143	101.0896815	100.5868424	100.0889237	99.59585359	99.10756162	98.62397869	98.14503704
ADV1015785	5/22/2025	4.032	3/29/2027	106.77607	105.1565319	103.5697641	102.0148446	100.4908818	98.99701735	97.53242422	96.09630547	94.68789277
ADV1016774	6/25/2025	4.048	6/25/2026	103.31031	102.474918	101.6530553	100.8443973	100.0486272	99.26543836	98.49453381	97.73562583	96.98843565
ADV1016796	6/26/2025	4.091	6/26/2026	103.29878	102.4614498	101.6377179	100.8272515	100.0297317	99.24484995	98.4723071	97.7118136	96.96308885
ADV1015917	5/28/2025	4.088	5/28/2027	107.52471	105.7331162	103.9802996	102.2650624	100.5862605	98.94279694	97.33361908	95.7577165	94.2141188
ADV1015774	5/22/2025	4.149	5/22/2029	116.51158	112.5399134	108.7279012	105.0681751	101.5537582	98.17803752	94.93474293	91.81792665	88.82194465
ADV1016518	6/27/2025	4.037	6/28/2027	107.83356	105.9513697	104.1114807	102.3126861	100.5538233	98.83377033	97.15144389	95.50579799	93.89582235
ADV1015137	5/1/2025	4.039	5/1/2026	102.63429	101.9551498	101.2850022	100.6236687	99.97097638	99.32675652	98.69084488	98.06308143	97.44331021
ADV1015243	5/6/2025	4.04	8/26/2026	103.96922	102.9588384	101.9681378	100.9965426	100.0435032	99.10849123	98.1909981	97.29053421	96.40662806
ADV1015649	5/19/2025	4.422	10/21/2025	100.59066	100.4468562	100.3034735	100.1605089	100.0179603	99.87582607	99.73410422	99.59279297	99.45189051
ADV1015420	5/12/2025	4.387	11/12/2025	100.84065	100.6342875	100.4287719	100.224097	100.0202576	99.81724861	99.61506483	99.41370117	99.21315259
ADV1016438	6/13/2025	4.308	3/13/2026	102.25262	101.7004023	101.154074	100.6135449	100.0787227	99.54951749	99.02584093	98.50760665	97.99473007
ADV1016639	6/23/2025	4.586	6/23/2036	142.93547	130.5973944	119.4970873	109.5017433	100.4935198	92.36778128	85.03155599	78.40217878	72.40609881
ADV1015670	5/20/2025	4.447	9/22/2025	100.26244	100.2005576	100.1387644	100.0770593	100.015442	99.9539123	99.89247005	99.83111505	99.76984712
ADV1016574	6/18/2025	4.394	12/16/2025	101.24009	100.9380089	100.6377265	100.3392247	100.0424878	99.7474999	99.45424558	99.16270946	98.87287639
ADV1016858	6/27/2025	3.855	6/25/2027	107.45957	105.5894552	103.7612299	101.9736895	100.225674	98.51606458	96.84378198	95.20778471	93.60706744
ADV1016926	7/2/2025	3.908	7/2/2030	119.94398	114.7297704	109.777909	105.0738182	100.6037998	96.35498152	92.31526269	88.47326463	84.81828385
ADV1015634	5/19/2025	4.191	5/20/2030	120.86997	115.7580651	110.8975077	106.2745013	101.8760884	97.6900935	93.70507091	89.91025651	86.29552318
ADV1016485	6/16/2025	4.483	9/16/2025	100.19283	100.147994	100.1032155	100.0584934	100.0138275	99.96921765	99.92466386	99.88016598	99.83572389
ADV1015598	5/16/2025	4.174	9/16/2026	104.37016	103.2987475	102.2493974	101.2214288	100.2141921	99.22706376	98.25944495	97.31076053	96.38045777
ADV1016565	6/18/2025	4.051	6/18/2030	120.50028	115.3132292	110.3851138	105.7015985	101.2492145	97.01530667	92.98797966	89.15604832	85.50899145
ADV1016470	6/16/2025	4.385	12/16/2025	101.23771	100.9355685	100.6352277	100.3366681	100.0398735	99.7448284	99.45151717	99.15992448	98.87003515
ADV1015576	5/16/2025	4.282	1/16/2026	101.57985	101.1878469	100.7988377	100.4127861	100.0296584	99.64942123	99.27204195	98.89748829	98.52572849
ADV1015262	5/6/2025	4.311	4/30/2032	128.19459	120.8214463	113.9365648	107.5047817	101.4936548	95.87323697	90.61587114	85.69600305	81.09001063
ADV1015586	5/16/2025	4.221	5/18/2026	102.95176	102.2241995	101.5069463	100.7997827	100.1024963	99.41488088	98.73673588	98.06786622	97.4080822
ADV1015962	5/29/2025	4.415	11/28/2025	101.03177	100.7803008	100.5300652	100.2810567	100.0332664	99.78668526	99.54130453	99.29711547	99.05410943
ADV1016691	6/24/2025	3.834	6/26/2028	111.86615	108.9079494	106.0441835	103.2713191	100.5859777	97.98492549	95.46506668	93.02343663	90.65719549
ADV1015922	5/28/2025	4.049	2/23/2028	110.79573	108.2077559	105.6945244	103.2534383	100.8820091	98.57785023	96.33867152	94.16227493	92.0465502
ADV1015268	5/6/2025	4.346	11/6/2025	100.76375	100.5743469	100.3856552	100.1976692	100.0103849	99.82379828	99.63790549	99.45270259	99.26818572

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016769	6/25/2025	3.838	6/25/2027	107.56185	105.6883427	103.8568367	102.066124	100.3150404	98.60246337	96.92730995	95.28853511	93.68513018
ADV1016670	6/23/2025	4.27	3/23/2026	102.33752	101.767506	101.203857	100.6464647	100.095225	99.55003644	99.01079946	98.47741683	97.9497934
ADV1015540	5/15/2025	4.446	9/23/2025	100.27433	100.2095942	100.1449488	100.0803973	100.0159394	99.95157501	99.88730383	99.82312568	99.75904038
ADV1016248	6/5/2025	4.4	8/13/2032	129.686	121.9634191	114.7710469	108.0694152	101.8221991	95.99594798	90.55984375	85.48548107	80.74666668
ADV1016882	6/30/2025	3.862	12/31/2026	105.42191	104.0615868	102.7253424	101.412595	100.1227776	98.85534088	97.60975285	96.38549787	95.18207615
ADV1015246	5/6/2025	4.119	5/6/2026	102.74385	102.050413	101.3663481	100.6914687	100.0255905	99.36853403	98.72012453	98.08019191	97.44857048
ADV1016892	6/30/2025	3.845	1/10/2029	113.8746	110.3318363	106.9198546	103.6331392	100.4664368	97.41474222	94.47328521	91.63751832	88.90310524
ADV1016703	6/24/2025	4.123	6/24/2026	103.30265	102.4708599	101.6524853	100.8472064	100.0547105	99.27469444	98.50686488	97.75093745	97.00663661
ADV1015724	5/22/2025	4.091	5/24/2027	107.48002	105.6998215	103.95797	102.253293	100.5846645	98.95100467	97.35127693	95.78448617	94.2496764
ADV1016860	6/27/2025	3.816	6/27/2028	111.61409	108.6614164	105.8030032	103.035334	100.3550402	97.75889716	95.24381755	92.80684428	90.4451445
ADV1016807	6/26/2025	3.906	12/28/2026	105.35022	103.9986714	102.6718794	101.3692012	100.0900184	98.83373345	97.59976902	96.38756705	95.19658792
ADV1016888	6/30/2025	3.82	11/17/2027	109.09801	106.80697	104.5758902	102.402758	100.285646	98.22270757	96.21217285	94.25234454	92.34159444
ADV1016338	6/10/2025	4.412	11/5/2025	100.75895	100.5731135	100.3879607	100.2034888	100.0196942	99.83657308	99.6541217	99.47233637	99.29121341
ADV1015256	5/6/2025	3.881	5/1/2028	111.15946	108.3738939	105.6732171	103.0542958	100.5141346	98.04986979	95.65876231	93.33819147	91.08564885
ADV1015593	5/16/2025	4.227	5/18/2026	102.95609	102.2285156	101.5112453	100.8040646	100.1067613	99.41912922	98.74096767	98.07208164	97.41228139
ADV1015766	5/22/2025	4.232	5/22/2030	121.08834	115.9655656	111.0948524	106.4623551	102.055069	97.86077495	93.8679869	90.06590351	86.4443632
ADV1015717	5/21/2025	4.028	5/21/2027	107.45763	105.6836525	103.9477979	102.2488979	100.5858368	98.95754429	97.36299287	95.80119596	94.27120566
ADV1016188	6/4/2025	4.06	6/4/2030	120.39902	115.2553934	110.366729	105.7189409	101.2988041	97.0938952	93.09253959	89.2837613	85.65723731
ADV1016636	6/23/2025	4.049	12/23/2026	105.48139	104.1401786	102.8249545	101.534982	100.2695542	99.0279907	97.80963662	96.61386103	95.44005605
ADV1015418	5/12/2025	4.456	9/12/2025	100.15276	100.1190099	100.0852937	100.0516162	100.0179773	99.98437692	99.95081506	99.91729162	99.88380652
ADV1015654	5/19/2025	4.05	7/21/2028	112.56388	109.5304468	106.595769	103.7561024	101.007861	98.34761436	95.77207964	93.27811457	90.86271054
ADV1016300	6/9/2025	4.241	6/9/2026	103.22497	102.4351893	101.6575236	100.8916924	100.1374267	99.39446542	98.66255544	97.94145111	97.23091402
ADV1015559	5/15/2025	4.453	9/15/2025	100.18561	100.1434153	100.1012772	100.059191	100.0171566	99.97517375	99.93324251	99.89136272	99.8495343
ADV1016642	6/23/2025	4.731	6/23/2038	149.16592	134.4666752	121.4674912	109.9583796	99.75648233	90.70243568	82.65723555	75.49953562	69.12331637
ADV1015253	5/6/2025	3.88	5/1/2028	111.15675	108.3712194	105.6705787	103.0516927	100.511566	98.04733487	95.65626033	93.3357217	91.08321057
ADV1016828	6/27/2025	4.465	9/29/2025	100.33559	100.2543413	100.1732206	100.092231	100.0113724	99.93064435	99.85004663	99.76957891	99.68924088
ADV1016540	6/17/2025	4.243	6/17/2026	103.31991	102.5074775	101.7078551	100.9207387	100.1458361	99.38286418	98.63154837	97.8916226	97.16282884
ADV1015286	5/7/2025	3.896	4/10/2028	110.95571	108.2330322	105.5919608	103.0295375	100.5429337	98.12944242	95.78647167	93.51153915	91.30226659
ADV1015725	5/21/2025	4.181	11/21/2029	118.78679	114.2445279	109.905406	105.7591597	101.7961095	98.00711987	94.38356549	90.91729928	87.60062299
ADV1015805	5/23/2025	4.469	9/23/2025	100.27456	100.2098807	100.1452932	100.0807995	100.0163993	99.95209244	99.88787878	99.82375807	99.75973012
ADV1016254	6/5/2025	4.022	6/7/2027	107.53961	105.7198094	103.9398767	102.1986037	100.4948328	98.82745226	97.19539401	95.59763138	94.03317709
ADV1015744	5/21/2025	4.106	11/23/2026	105.26909	103.9995224	102.7606671	101.5514144	100.3707112	99.21755377	98.09098495	96.99009156	95.91400181
ADV1016516	6/17/2025	4.384	6/20/2031	125.57057	119.1983637	113.1999807	107.5514082	102.2303014	97.21585853	92.48870593	88.03079321	83.82529598

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016000	5/29/2025	4.707	5/29/2035	140.50931	129.4328657	119.3705149	110.2225961	101.8997863	94.32197596	87.41727184	81.12111329	75.37548749
ADV1015997	5/29/2025	4.411	5/14/2032	128.98798	121.5488028	114.6042403	108.1185137	102.0586271	96.39413409	91.0969274	86.14104677	81.50250373
ADV1016846	6/27/2025	3.807	6/27/2028	111.58826	108.6359577	105.7779078	103.0105931	100.3306453	97.73484017	95.22009049	92.78343948	90.4220545
ADV1015672	5/20/2025	4.407	11/18/2025	100.91389	100.6906453	100.4683848	100.2471052	100.0268001	99.80746287	99.58908716	99.37166658	99.15519482
ADV1015505	5/14/2025	4.428	10/14/2025	100.51185	100.387777	100.2640266	100.1405935	100.0174767	99.89467474	99.77218646	99.65001059	99.5281459
ADV1016002	5/29/2025	4.698	5/29/2035	140.4211	129.3488419	119.290392	110.1461162	101.8267114	94.25208638	87.35036475	81.05700116	75.3139968
ADV1015783	5/22/2025	4.464	9/22/2025	100.26321	100.2013399	100.1395582	100.0778646	100.0162587	99.95474048	99.89330967	99.83196609	99.77070956
ADV1015594	5/16/2025	4.118	5/16/2029	116.32508	112.373861	108.5809189	104.9389826	101.4411592	98.08091388	94.85204896	91.74868426	88.76523867
ADV1016183	6/4/2025	3.966	10/4/2028	113.17514	109.9203529	106.7777709	103.7428698	100.8113356	97.97905398	95.24210023	92.59672895	90.03936471
ADV1016342	6/10/2025	4.469	9/10/2025	100.12597	100.0979456	100.069951	100.041987	100.0140536	99.98615057	99.958278	99.93043579	99.9026239
ADV1016777	6/25/2025	3.853	6/26/2028	111.70953	108.7583314	105.9012639	103.1348075	100.4555972	97.86041228	95.34616937	92.90991543	90.54882169
ADV1016767	6/25/2025	4.467	9/25/2025	100.29132	100.2212829	100.1513531	100.0815286	100.0118092	99.94219482	99.87268509	99.80327982	99.73397876
ADV1016045	5/30/2025	4.347	1/30/2026	101.77319	101.3413555	100.9131324	100.4884725	100.0673316	99.64966615	99.23543338	98.82459115	98.41709803
ADV1015250	5/6/2025	4.4	10/6/2025	100.41823	100.3166956	100.2153749	100.114266	100.0133682	99.91268084	99.81220319	99.71193458	99.61187434
ADV1015872	5/27/2025	4.016	5/30/2028	111.85775	108.9818471	106.1956016	103.4956139	100.878644	98.34159841	95.88152255	93.49559326	91.18111183
ADV1016392	6/12/2025	3.89	6/12/2028	111.86521	108.9473303	106.1215057	103.3842725	100.7323173	98.16247301	95.67171165	93.25713702	90.91597799
ADV1016317	6/9/2025	4.246	6/9/2026	103.22888	102.4390903	101.6614079	100.8955602	100.1412781	99.39830061	98.66637461	97.94525444	97.23470167
ADV1016399	6/12/2025	4.168	7/13/2026	103.56515	102.6793304	101.8087037	100.9528785	100.111479	99.28414208	98.47051673	97.67026354	96.88305425
ADV1016655	6/23/2025	3.885	6/25/2029	116.18203	112.1108208	108.2070779	104.4630222	100.871276	97.42484215	94.11708205	90.94169521	87.89270031
ADV1016251	6/5/2025	4.209	6/5/2026	103.15358	102.3752301	101.6086486	100.8535682	100.1097311	99.37688723	98.65479391	97.94321554	97.24192336
ADV1015211	5/5/2025	4.238	2/10/2026	101.85981	101.3952741	100.9349144	100.4786704	100.0264871	99.57831044	99.1340872	98.69376522	98.2572932
ADV1015984	5/29/2025	4.189	5/29/2026	103.10589	102.3464801	101.5982692	100.8610128	100.1344715	99.41841286	98.7126109	98.01684622	97.33090565
ADV1016733	6/24/2025	3.903	1/24/2029	114.22874	110.6408198	107.186671	103.8605909	100.6571543	97.57119488	94.59779144	91.73225507	88.97011683
ADV1015603	5/16/2025	4.118	1/19/2027	105.90714	104.4931104	103.1049441	101.7419942	100.4036323	99.08925034	97.79825998	96.53009166	95.2841939
ADV1015745	5/21/2025	4.106	11/23/2026	105.26909	103.9995224	102.7606671	101.5514144	100.3707112	99.21755377	98.09098495	96.99009156	95.91400181
ADV1016022	5/29/2025	4.03	8/30/2027	108.59708	106.5338182	104.5208138	102.5565239	100.6394643	98.76820619	96.94137405	95.1576432	93.41573749
ADV1016811	6/26/2025	4.23	3/24/2026	102.32586	101.7531251	101.1868146	100.6268194	100.0730341	99.52535565	98.98368328	98.44791842	97.91796464
ADV1015599	5/16/2025	4.011	5/17/2027	107.37786	105.6156123	103.8910594	102.2030535	100.5504971	98.93233669	97.34756116	95.79519909	94.27431701
ADV1015658	5/19/2025	4.045	11/26/2027	109.71668	107.3928331	105.1303072	102.9270241	100.7809946	98.69031368	96.6531565	94.66777395	92.73248887
ADV1016366	6/11/2025	3.987	6/11/2027	107.65716	105.8225643	104.0283962	102.2734433	100.5565437	98.87658051	97.2324797	95.62320811	94.04777139
ADV1016755	6/25/2025	4.419	11/26/2025	101.00495	100.7599643	100.5161615	100.2735312	100.0320652	99.79175504	99.55259238	99.31456904	99.07767689
ADV1015269	5/6/2025	4.453	5/1/2035	128.98395	121.0638267	113.7865424	107.0933422	100.9312777	95.25259555	90.01419491	85.17714532	80.70625683
ADV1016772	6/25/2025	3.854	5/25/2027	107.20261	105.4199415	103.6757606	101.9688897	100.2981965	98.66259475	97.06104231	95.49253851	93.95612224

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015564	5/15/2025	4.453	9/15/2025	100.18561	100.1434153	100.1012772	100.059191	100.0171566	99.97517375	99.93324251	99.89136272	99.8495343
ADV1016941	6/30/2025	4.387	12/31/2025	101.41707	101.0726533	100.7305499	100.3907342	100.0531833	99.71787471	99.38478618	99.05389578	98.72518187
ADV1016863	6/27/2025	4.451	10/22/2025	100.60009	100.4541294	100.3086032	100.1635079	100.0188417	99.87460267	99.73078879	99.58739822	99.44442904
ADV1015131	5/1/2025	3.81	5/3/2027	106.73855	105.0226005	103.3427347	101.6978769	100.0869963	98.50910267	96.96324444	95.44850671	93.96400948
ADV1015119	5/1/2025	4.022	5/1/2026	102.6228	101.9437076	101.2736028	100.6123118	99.95966156	99.31548337	98.67961301	98.05189047	97.43215979
ADV1016871	6/27/2025	3.766	12/27/2028	113.70566	110.1985765	106.8198072	103.5639722	100.425947	97.40084849	94.4840226	91.671032	88.95764486
ADV1016714	6/24/2025	3.953	9/24/2026	104.31006	103.2154541	102.1438639	101.0945697	100.0668802	99.06013237	98.07369014	97.10694294	96.15930451
ADV1016842	6/27/2025	4.466	9/26/2025	100.30211	100.2292792	100.1565651	100.0839626	100.0114715	99.93909145	99.86682224	99.79466363	99.72261536
ADV1016327	6/10/2025	4.173	12/10/2026	105.48406	104.1721686	102.8894343	101.6348878	100.4075982	99.20667576	98.03126941	96.88056483	95.75378236
ADV1016708	6/24/2025	4.471	9/24/2025	100.28057	100.2133313	100.1461943	100.0791567	100.0122182	99.94537851	99.87863755	99.81199504	99.74545076
ADV1016249	6/5/2025	4.672	6/15/2035	140.30314	129.1884138	119.0958995	109.924761	101.5846478	93.99455471	87.08180939	80.78117453	75.03405064
ADV1016359	6/11/2025	4.472	9/11/2025	100.1371	100.1062771	100.0754845	100.0447264	100.0140027	99.98331334	99.95265831	99.92203753	99.89145092
ADV1016808	6/26/2025	3.859	6/26/2029	115.80032	111.7413727	107.8493828	104.1165988	100.5356703	97.09962538	93.80184885	90.6360619	87.59630337
ADV1015991	5/29/2025	4.007	5/1/2028	111.45974	108.6735613	105.9736331	103.3566985	100.8196522	98.35952903	95.97349648	93.65884751	91.412994
ADV1016832	6/27/2025	3.751	6/27/2028	111.63847	108.6806847	105.8174237	103.0451532	100.3604923	97.76020482	95.24119226	92.80048716	90.43524678
ADV1015206	5/5/2025	4.044	11/5/2026	104.87597	103.6610366	102.4743184	101.3148436	100.1816806	99.07394019	97.99077269	96.93136599	95.8949434
ADV1015624	5/19/2025	4.184	5/19/2026	102.98707	102.2559139	101.5351663	100.8246037	100.1240109	99.43317877	98.75190395	98.0799887	97.41724075
ADV1016697	6/24/2025	4.321	1/26/2026	101.70986	101.2908492	100.8752595	100.4630453	100.0541658	99.64858039	99.24624955	98.84713416	98.45119578
ADV1016176	6/4/2025	4.396	12/4/2025	101.09782	100.8294706	100.5625284	100.2969865	100.0328337	99.77005922	99.50865223	99.24860204	98.98989809
ADV1016756	6/25/2025	4.373	12/24/2025	101.3289	101.0042955	100.6817559	100.3612629	100.0427969	99.72633867	99.41186933	99.09937008	98.78882241
ADV1015613	5/16/2025	4.068	1/7/2028	110.2735	107.8264828	105.446717	103.1319834	100.8801497	98.68916577	96.55706023	94.48193673	92.46197076
ADV1015335	5/8/2025	4.101	11/9/2026	104.99544	103.7684743	102.5702712	101.3998226	100.2561711	99.13840259	98.04564443	96.97706274	95.93186039
ADV1015600	5/16/2025	4.143	11/16/2026	105.13619	103.8885909	102.6706928	101.4814434	100.3198389	99.1849221	98.07577941	96.99153867	95.93136667
ADV1016021	5/29/2025	4.036	7/29/2027	108.21736	106.2460871	104.3209256	102.4405145	100.6035458	98.80875836	97.05493582	95.34090493	93.66553355
ADV1015240	5/6/2025	4.443	9/8/2025	100.10879	100.0862752	100.0637884	100.041325	100.0188848	99.99646787	99.97407414	99.95170357	99.92935612
ADV1016940	6/30/2025	4.486	9/30/2025	100.34808	100.2640463	100.1801488	100.0963895	100.0127678	99.92928347	99.84593621	99.76272569	99.67965158
ADV1016689	6/24/2025	3.969	6/25/2029	116.2169	112.1528333	108.2557394	104.5178704	100.9318779	97.49079142	94.18799766	91.01721972	87.9724984
ADV1016868	6/27/2025	3.855	6/28/2027	107.49674	105.6177526	103.781008	101.9852992	100.2294653	98.51238561	96.83297856	95.19019959	93.58303981
ADV1016894	6/30/2025	3.852	2/14/2029	114.2951	110.6433504	107.1300056	103.7490726	100.4948479	97.3619053	94.34508044	91.43945707	88.6403535
ADV1015931	5/28/2025	4.406	11/28/2025	101.02968	100.7781868	100.5279324	100.2789053	100.0310964	99.78449674	99.53909761	99.29489025	99.051866
ADV1016524	6/27/2025	4.055	6/27/2029	116.57375	112.4970037	108.5878891	104.8386296	101.2418479	97.79054584	94.47808304	91.29815654	88.24478197
ADV1015500	5/14/2025	4.306	2/17/2026	101.97311	101.4885702	101.0085658	100.5330344	100.0619137	99.5951423	99.13266023	98.6744085	98.22032922
ADV1016696	6/24/2025	4.476	9/24/2025	100.28091	100.2136763	100.1465385	100.0795	100.0125607	99.94572018	99.87897837	99.81233502	99.74578991

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015207	5/5/2025	3.969	5/5/2027	107.03256	105.3085299	103.6208342	101.9683849	100.3501412	98.76510365	97.21231182	95.69084244	94.19980754
ADV1016564	6/18/2025	4.48	10/8/2025	100.44276	100.3360926	100.2296662	100.1234761	100.0175213	99.91180099	99.80631443	99.70106078	99.59603922
ADV1015587	5/16/2025	4.038	5/16/2028	111.75837	108.9228204	106.1746884	103.5107006	100.927734	98.42280493	95.99306173	93.63577788	91.3483454
ADV1016269	6/6/2025	4.082	6/6/2029	116.72256	112.6964478	108.8338397	105.1271466	101.5691769	98.1531151	94.87249971	91.72120261	88.69340958
ADV1016186	6/4/2025	3.95	6/5/2028	111.74673	108.8553062	106.0544876	103.340849	100.7111212	98.16218171	95.6910467	93.29486405	90.97090627
ADV1016770	6/25/2025	4.459	10/15/2025	100.52046	100.3941967	100.2682597	100.1426523	100.0173734	99.89242153	99.76779537	99.64349363	99.51951498
ADV1016786	6/26/2025	3.848	6/18/2027	107.36055	105.511214	103.7029519	101.9345597	100.2048792	98.51279546	96.85723451	95.23716158	93.65157931
ADV1015699	5/20/2025	4.337	12/30/2025	101.39448	101.0513562	100.7105183	100.3719433	100.0356088	99.70149252	99.36957276	99.03982792	98.7122367
ADV1016191	6/4/2025	4.582	6/5/2034	136.54156	126.6593936	117.604285	109.3017595	101.6844499	94.69138004	88.26732573	82.36224358	76.93075901
ADV1016072	5/30/2025	4.059	9/30/2026	104.50039	103.3878536	102.2990523	101.2332292	100.189662	99.16765824	98.16655411	97.18571271	96.22452281
ADV1015181	5/2/2025	4.006	11/2/2026	104.79296	103.5870012	102.408858	101.2575768	100.1322455	99.03199312	97.95598721	96.90343181	95.87356549
ADV1015723	5/21/2025	4.077	5/22/2028	111.93524	109.0805183	106.314216	103.6330038	101.0337073	98.51329462	96.06886914	93.69766186	91.39702496
ADV1015647	5/19/2025	4.455	9/9/2025	100.11808	100.092789	100.0675287	100.0422952	100.0170887	99.99190891	99.9667559	99.94162961	99.91652997
ADV1016891	6/30/2025	3.811	2/16/2028	110.11304	107.5544462	105.0692403	102.6548915	100.3089742	98.0291609	95.81321765	93.65899951	91.56444652
ADV1016640	6/23/2025	4.655	6/23/2037	145.9755	132.4604837	120.4063025	109.6442524	100.0260458	91.42124069	83.7150059	76.80617674	70.60556137
ADV1016728	6/24/2025	4.472	9/24/2025	100.28064	100.2134003	100.1462632	100.0792254	100.0122867	99.94544685	99.87870571	99.81206303	99.74551859
ADV1016312	6/9/2025	4.4	11/10/2025	100.81545	100.6154317	100.4162141	100.2177888	100.0201512	99.82329635	99.62721968	99.43191648	99.23738212
ADV1015135	5/1/2025	4.3	11/5/2025	100.74434	100.5577175	100.3717796	100.1865255	100.0019515	99.81805388	99.63482883	99.45227265	99.27038165
ADV1015208	5/5/2025	4.2	3/10/2026	102.16585	101.6203457	101.0805676	100.5464304	100.017846	99.49472812	98.97699213	98.46455525	97.95733638
ADV1016712	6/24/2025	3.988	12/24/2026	105.41222	104.0692429	102.7519984	101.4597727	100.1918766	98.94764643	97.7264427	96.52764917	95.35067162
ADV1016365	6/11/2025	4.006	6/11/2029	116.48941	112.4531234	108.5813305	104.8663926	101.3010714	97.8785059	94.59219033	91.43595325	88.40393848
ADV1016098	6/2/2025	4.234	6/2/2026	103.13795	102.3680161	101.6095904	100.8624188	100.1262519	99.40084773	98.68597134	97.98139454	97.28689572
ADV1016442	6/13/2025	4.477	9/12/2025	100.14816	100.1145332	100.0809468	100.0473989	100.0138895	99.98041849	99.94698582	99.91359142	99.8802352
ADV1015730	5/21/2025	4.257	5/21/2026	103.01181	102.2756796	101.550093	100.8348255	100.1296578	99.43437664	98.74877482	98.07265087	97.4058089
ADV1016189	6/4/2025	4.281	6/4/2031	125.14522	118.8207924	112.8653999	107.2554007	101.9687984	96.98511789	92.28529159	87.85155487	83.66734992
ADV1016291	6/9/2025	4.471	9/8/2025	100.10379	100.0813686	100.0589732	100.036601	100.014252	99.99192618	99.96962344	99.94734375	99.9250871
ADV1016775	6/25/2025	3.956	12/28/2026	105.41757	104.0655466	102.7382885	101.435152	100.1555186	98.89879047	97.66439015	96.45175935	95.26035827
ADV1015463	5/15/2025	4.098	5/15/2028	111.91192	109.0770313	106.329454	103.6659216	101.0833178	98.5786651	96.14911773	93.79195454	91.50457261
ADV1016746	6/25/2025	4.475	9/25/2025	100.29189	100.2218569	100.1519256	100.0820997	100.0123789	99.9427631	99.87325197	99.80384529	99.73454284
ADV1016301	6/9/2025	4.175	12/9/2026	105.47417	104.1645963	102.8844322	101.6326817	100.408397	99.21067256	98.03864257	96.89147892	95.76838905
ADV1015182	5/2/2025	4.348	11/3/2025	100.73006	100.5490925	100.3687721	100.189092	100.0100489	99.83163938	99.65386004	99.47670754	99.30017856
ADV1016081	5/30/2025	4.402	11/28/2025	101.02836	100.7769332	100.5267437	100.2777811	100.0300364	99.78350065	99.53816513	99.29402106	99.05105979
ADV1015966	5/29/2025	4.253	5/29/2026	103.10106	102.3423652	101.5948534	100.8582762	100.132395	99.41697784	98.71179939	98.01664084	97.33128957

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016071	5/30/2025	4.014	5/28/2027	107.39383	105.6034521	103.8518194	102.1377434	100.4600806	98.81773458	97.20965349	95.63482747	94.0922867
ADV1016345	6/10/2025	4.403	11/10/2025	100.81589	100.6158939	100.4166977	100.2182938	100.0206773	99.82384367	99.62778807	99.43250586	99.2379924
ADV1016519	6/27/2025	3.998	6/27/2028	112.13645	109.1762475	106.3104884	103.5356501	100.8483582	98.24538287	95.72363128	93.28014137	90.91207542
ADV1016397	6/12/2025	4.473	9/12/2025	100.14818	100.1145526	100.0809624	100.0474107	100.0138976	99.98042277	99.94698632	99.91358815	99.88022817
ADV1016934	6/30/2025	4.083	6/30/2026	103.33692	102.4883257	101.653686	100.8326552	100.0249023	99.23010685	98.4479588	97.67815784	96.9204131
ADV1015252	6/2/2025	4.019	5/31/2030	120.15883	115.032634	110.1600865	105.5271823	101.1207729	96.92850801	92.93878209	89.14068505	85.52395624
ADV1016884	6/30/2025	3.862	12/31/2026	105.42191	104.0615868	102.7253424	101.412595	100.1227776	98.85534088	97.60975285	96.38549787	95.18207615
ADV1015775	5/22/2025	4.253	5/22/2026	103.02055	102.2816048	101.5532814	100.8353536	100.1275996	99.42980397	98.74175722	98.06325575	97.39410159
ADV1016839	6/27/2025	4.103	6/29/2026	103.3426	102.496752	101.6647641	100.8462998	100.0410313	99.24864103	98.46882166	97.70127559	96.9457145
ADV1016390	6/12/2025	4.29	3/12/2026	102.23139	101.6820717	101.1385856	100.6008388	100.0687407	99.54220257	99.02113749	98.50546038	97.99508791
ADV1016001	5/29/2025	4.187	5/29/2026	103.10439	102.3449814	101.5967766	100.8595264	100.1329912	99.41693853	98.71114251	98.01538373	97.32944898
ADV1016857	6/27/2025	3.846	12/27/2028	113.72567	110.2244441	106.8511696	103.6004918	100.4673052	97.44674484	94.53417339	91.72516947	89.01551623
ADV1016847	6/27/2025	3.868	6/27/2029	115.84606	111.7833496	107.8878446	104.1517849	100.5678089	97.12893346	93.82853241	90.6603165	87.61831437
ADV1015747	5/21/2025	4.106	11/23/2026	105.26909	103.9995224	102.7606671	101.5514144	100.3707112	99.21755377	98.09098495	96.99009156	95.91400181
ADV1015575	5/16/2025	4.388	11/17/2025	100.89861	100.678125	100.4586016	100.2400355	100.0224207	99.80575064	99.59001929	99.37522045	99.16134801
ADV1015508	5/14/2025	4.179	5/14/2026	102.92582	102.2088089	101.501812	100.8046203	100.1170306	99.43884496	98.76987112	98.10992188	97.45881515
ADV1016848	6/27/2025	4.465	9/29/2025	100.33559	100.2543413	100.1732206	100.092231	100.0113724	99.93064435	99.85004663	99.76957891	99.68924088
ADV1015261	5/6/2025	4.011	4/30/2030	119.80112	114.7712125	109.9864941	105.4336344	101.1001033	96.97411888	93.04459792	89.30111071	85.73383856
ADV1016424	6/13/2025	4.212	6/15/2026	103.27176	102.4651043	101.6710759	100.8893837	100.1197412	99.36187104	98.61550401	97.88037921	97.1562436
ADV1016638	6/23/2025	4.525	6/25/2035	139.72758	128.571382	118.4463574	109.250403	100.8920598	93.28935566	86.36877611	80.06435072	74.31684298
ADV1016471	6/16/2025	4.148	6/16/2026	103.28856	102.4782857	101.6807554	100.8956681	100.1227335	99.36167073	98.6122072	97.87407876	97.14702921
ADV1015468	5/13/2025	4.234	5/13/2026	102.90326	102.1897679	101.4861931	100.7923301	100.1079785	99.43294309	98.76703437	98.11006772	97.46186355
ADV1016074	5/30/2025	4.01	12/30/2026	105.60974	104.250337	102.9152865	101.6039801	100.3158323	99.05027646	97.80676425	96.58476468	95.38376358
ADV1015336	5/8/2025	4.448	9/18/2025	100.21995	100.1692699	100.1186516	100.0680999	100.0176145	99.96719532	99.91684223	99.8665551	99.81633379
ADV1015873	5/27/2025	4.086	5/29/2029	116.3526	112.3641892	108.5368245	104.8630421	101.335774	97.94832301	94.69434058	91.56780635	88.56300885
ADV1016217	6/5/2025	4.471	9/5/2025	100.07084	100.0568275	100.0428264	100.0288387	100.0148643	100.0009032	99.9869554	99.97302088	99.95909961
ADV1016654	6/23/2025	4.413	11/19/2025	100.92156	100.69638	100.4722086	100.2490382	100.026862	99.80567334	99.5854655	99.36623195	99.14796618
ADV1015740	5/21/2025	4.181	5/22/2026	103.01939	102.2797679	101.5507923	100.8322309	100.1238614	99.42546768	98.73683978	98.05777351	97.38807039
ADV1016716	6/24/2025	3.913	12/21/2026	105.37075	104.033352	102.7224657	101.4373198	100.1771707	98.94130379	97.72903195	96.53969412	95.37265416
ADV1015721	5/22/2025	4.171	11/23/2026	105.26141	103.9932795	102.755796	101.5478603	100.3684217	99.21647894	98.0910773	96.99130576	95.91629462
ADV1016052	5/30/2025	4.064	4/30/2027	107.12668	105.4155284	103.7402231	102.0996989	100.4929359	98.91895456	97.37681313	95.86560602	94.38446203
ADV1015691	5/20/2025	4.451	9/18/2025	100.21812	100.1675058	100.1169609	100.0664823	100.0160701	99.96572396	99.91544382	99.86522955	99.815081
ADV1016582	6/18/2025	4.335	2/18/2026	101.99345	101.5078992	101.0269162	100.5504406	100.0784094	99.61076036	99.14743276	98.68836681	98.23350389

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1016050	5/30/2025	4.429	10/30/2025	100.69341	100.5243177	100.3557837	100.1878078	100.0203871	99.85351892	99.68720056	99.52142932	99.35620252
ADV1015985	5/29/2025	4.428	10/29/2025	100.68191	100.5156243	100.3498879	100.1846933	100.0200379	99.85591906	99.69233416	99.52928063	99.36675587
ADV1016593	6/20/2025	4.149	6/22/2026	103.35906	102.5317806	101.7177757	100.9167232	100.1283151	99.35225348	98.58824948	97.83602327	97.09530361
ADV1016734	6/24/2025	3.927	6/25/2029	116.05369	111.9927658	108.0987203	104.3638081	100.7806842	97.34238144	94.04228978	90.87413536	87.83196189
ADV1016810	6/26/2025	4.075	6/26/2026	103.2855	102.4482285	101.6245563	100.8141489	100.0166875	99.23186341	98.45937762	97.69894054	96.95027159
ADV1016181	6/4/2025	4.203	6/4/2026	103.13738	102.3618822	101.598065	100.8456659	100.10443	99.37410992	98.65446553	97.94526374	97.24627821
ADV1015928	5/28/2025	4.403	11/28/2025	101.02893	100.7774392	100.5271886	100.2781652	100.0303599	99.78376403	99.53836859	99.29416489	99.05114427
ADV1016795	6/26/2025	3.856	12/28/2026	105.37865	104.0253937	102.6969468	101.3926649	100.1119278	98.85413631	97.61871137	96.40509343	95.21274142
ADV1016077	5/30/2025	4.309	2/27/2026	102.09134	101.5787551	101.0712382	100.5687118	100.0711029	99.57833946	99.09035121	98.60706909	98.12842535
ADV1016773	6/25/2025	4.124	6/25/2026	103.31482	102.4801997	101.6590829	100.8511474	100.0560774	99.27356689	98.50331972	97.74504891	96.99847638
ADV1015918	5/28/2025	4.33	3/25/2026	102.39405	101.8183409	101.2491145	100.6862641	100.129683	99.57926674	99.03491309	98.49652216	97.9639962
ADV1015929	5/28/2025	4.346	2/27/2026	102.11026	101.5974181	101.0896446	100.5868642	100.0890037	99.59599116	99.10775623	98.6242298	98.14534411
ADV1016053	5/30/2025	4.004	5/30/2028	111.82393	108.9485109	106.1627369	103.4632086	100.8466864	98.31007708	95.85042663	93.4649122	91.15083544
ADV1015965	5/29/2025	4.13	5/29/2030	120.67051	115.5377187	110.6584877	106.0188379	101.6056414	97.40656628	93.41002355	89.60511757	85.98160056
ADV1016853	6/27/2025	3.86	6/28/2027	107.50599	105.6269179	103.7900869	101.9942934	100.2383762	98.52121486	96.84172761	95.19886988	93.59163274
ADV1016942	6/30/2025	4.078	6/30/2026	103.33271	102.48414	101.6495194	100.8285074	100.0207732	99.22599619	98.44386638	97.67408346	96.91635657
ADV1016383	6/12/2025	4.328	1/15/2026	101.58133	101.1933162	100.8082424	100.4260755	100.0467825	99.67033108	99.29668916	98.92582531	98.55770853
ADV1016265	6/6/2025	4.178	6/6/2030	120.99237	115.828722	110.9211023	106.2553671	101.8182355	97.59723116	93.58062906	89.75740544	86.11719194
ADV1015804	5/23/2025	4.242	5/26/2026	103.05886	102.3086628	101.5694107	100.8408608	100.1227817	99.41494855	98.71714301	98.02915278	97.35077157
ADV1016851	6/27/2025	3.909	6/27/2030	119.89548	114.6967099	109.7588617	105.0674546	100.6088865	96.37037509	92.3399042	88.50617415	84.85855534
ADV1016521	6/27/2025	4.055	6/27/2029	116.57375	112.4970037	108.5878891	104.8386296	101.2418479	97.79054584	94.47808304	91.29815654	88.24478197
ADV1016184	6/4/2025	4.001	6/4/2027	107.46374	105.6531453	103.8820687	102.1493043	100.453695	98.79413021	97.16954377	95.57891149	94.02124908
ADV1016723	6/25/2025	3.875	9/27/2027	108.62246	106.4791968	104.3894381	102.3514865	100.3637125	98.42455026	96.53249438	94.68609742	92.88396701
ADV1016017	5/29/2025	4.251	5/29/2026	103.09955	102.3408669	101.5933612	100.8567902	100.1309151	99.41550391	98.7103314	98.01517873	97.32983328
ADV1015681	5/20/2025	4.07	5/21/2027	107.40507	105.6337866	103.900526	102.2041316	100.5434909	98.91753704	97.32524568	95.76563319	94.2377545
ADV1016313	6/9/2025	4.387	12/9/2025	101.15496	100.8725311	100.5916744	100.312374	100.0346169	99.75839018	99.48368118	99.21047732	98.9387662
ADV1015385	5/9/2025	3.931	5/10/2027	107.1524	105.4114326	103.7074026	102.0391987	100.4057548	98.80604775	97.23909446	95.70395037	94.19970732
ADV1016193	6/4/2025	4.77	6/4/2037	146.24332	132.8212918	120.8409512	110.1366539	100.5627199	91.99092861	84.30833888	77.41539184	71.22425802
ADV1015393	5/12/2025	4.106	5/12/2027	107.35417	105.6080696	103.8990584	102.2260227	100.58789	98.98363074	97.41225626	95.87281643	94.3643979
ADV1015317	5/8/2025	4.08	5/8/2026	102.78822	102.0884214	101.3981706	100.7172719	100.0455359	99.38277827	98.72881953	98.08348499	97.44660459
ADV1016762	6/25/2025	4.47	9/25/2025	100.29153	100.2214982	100.1515678	100.0817427	100.0120229	99.94240792	99.87289767	99.80349187	99.73419029
ADV1015177	8/4/2025	3.835	8/4/2027	107.90203	105.9174456	103.9796505	102.0872611	100.2389395	98.43339639	96.66938854	94.9457171	93.26122564
ADV1015255	7/1/2025	4.033	7/1/2030	120.55008	115.3240254	110.3605841	105.6451717	101.1640881	96.90445843	92.8541793	89.00186875	85.33681971

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1015257	7/1/2025	4.033	7/1/2030	120.55008	115.3240254	110.3605841	105.6451717	101.1640881	96.90445843	92.8541793	89.00186875	85.33681971
ADV1015258	7/1/2025	4.033	7/1/2030	120.55008	115.3240254	110.3605841	105.6451717	101.1640881	96.90445843	92.8541793	89.00186875	85.33681971
ADV1015260	7/1/2025	4.033	7/1/2030	120.55008	115.3240254	110.3605841	105.6451717	101.1640881	96.90445843	92.8541793	89.00186875	85.33681971
ADV1015263	7/1/2025	4.035	7/1/2030	120.55993	115.3336377	110.3699669	105.6543333	101.1730365	96.91320125	92.86272381	89.0102219	85.34498816
ADV1016234	7/1/2025	3.99	6/30/2028	112.15279	109.1837916	106.3097573	103.527144	100.832563	98.22276967	95.69465636	93.24524596	90.87168569
ADV1016236	7/1/2025	3.99	6/30/2028	112.15279	109.1837916	106.3097573	103.527144	100.832563	98.22276967	95.69465636	93.24524596	90.87168569
ADV1016238	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016239	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016240	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016241	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016242	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016243	7/1/2025	3.987	6/30/2028	112.14415	109.1752779	106.3013653	103.5188708	100.8244058	98.21472574	95.68672301	93.23742061	90.86396583
ADV1016244	7/1/2025	3.988	6/30/2028	112.14703	109.1781158	106.3041626	103.5216285	100.8271249	98.21740705	95.68936746	93.24002906	90.86653912
ADV1016245	7/1/2025	4.108	7/1/2030	120.91947	115.6844862	110.7124383	105.9887321	101.4996535	97.23231431	93.17459841	89.31511191	85.64313639
ADV1016246	7/1/2025	4.108	7/1/2030	120.91947	115.6844862	110.7124383	105.9887321	101.4996535	97.23231431	93.17459841	89.31511191	85.64313639
ADV1016801	8/21/2025	3.955	8/21/2026	103.82379	102.8280878	101.8515186	100.8935373	99.95361616	99.03124722	98.1259415	97.23722804	96.36465307
ADV1017447	7/21/2025	4.539	9/22/2025	100.25791	100.1964864	100.1351495	100.0739	100.0127376	99.95166225	99.89067367	99.8297717	99.76895615
ADV1017491	7/22/2025	4.223	6/22/2026	103.36188	102.5353753	101.7221142	100.9217825	100.1340732	99.35868884	98.5953415	97.84375201	97.10364984
ADV1018104	8/13/2025	4.532	9/15/2025	100.1739	100.1321694	100.0904904	100.0488627	100.0072861	99.96576072	99.92428628	99.88286275	99.84149002
ADV1017829	8/4/2025	3.905	2/4/2027	105.80095	104.3430012	102.9124828	101.5086909	100.1309411	98.77857189	97.45094384	96.14743846	94.86745746
ADV1018338	8/22/2025	4.505	9/22/2025	100.2504	100.1892247	100.1281352	100.0671326	100.0062168	99.94538772	99.88464504	99.82398862	99.76341828
ADV1017243	7/11/2025	4.189	7/13/2026	103.58374	102.6978411	101.827133	100.9712272	100.129748	99.30233218	98.48862879	97.68829838	96.90101268
ADV1018025	8/11/2025	4.057	8/11/2026	103.80658	102.8388361	101.8891774	100.9570991	100.0421155	99.14375886	98.26157818	97.39513877	96.54402138
ADV1017959	8/7/2025	4.54	9/8/2025	100.09542	100.0731581	100.0509236	100.0287121	100.0065237	99.98435823	99.96221572	99.94009612	99.91799938
ADV1017699	7/30/2025	4.239	7/30/2026	103.82879	102.8944093	101.9768743	101.0757347	100.1905538	99.32090997	98.46639634	97.62662022	96.80120239
ADV1017814	8/4/2025	4.536	9/2/2025	100.02746	100.0218931	100.0163348	100.0107814	100.0052327	99.99968894	99.99414997	99.98861581	99.98308645
ADV1017726	7/31/2025	4.521	9/18/2025	100.2097	100.1595228	100.1094165	100.0593759	100.0094011	99.95949183	99.90964798	99.85986941	99.81015599
ADV1017647	7/29/2025	4.059	1/26/2027	105.90688	104.4738	103.0672478	101.6865539	100.3310666	99.00015541	97.69321067	96.40964227	95.14887908
ADV1017785	8/1/2025	4.417	11/19/2025	100.91623	100.69211	100.4689885	100.2468632	100.0257274	99.80557456	99.58639796	99.36819108	99.15094745
ADV1018132	8/14/2025	4.03	8/14/2026	103.8157	102.8395466	101.8817913	100.9419174	100.0194268	99.11383966	98.22469386	97.35154384	96.4939601
ADV1017158	7/9/2025	4.501	9/9/2025	100.11074	100.0856088	100.0605037	100.0354254	100.0103737	99.98534874	99.96035032	99.93537845	99.91043308
ADV1018425	8/26/2025	3.734	6/26/2028	111.36816	108.4218739	105.5695997	102.8078215	100.1331781	97.54245233	95.03256415	92.60056385	90.24362581
ADV1017824	8/4/2025	4.044	8/4/2026	103.71183	102.7641067	101.8337312	100.9202331	100.0231559	99.14205903	98.27651792	97.42612278	96.59047813

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018192	8/18/2025	4.153	3/18/2026	102.21566	101.6598999	101.1102011	100.5664622	100.0285863	99.49647868	98.97004678	98.44919987	97.9338492
ADV1017792	8/1/2025	3.917	8/1/2030	120.2759	114.9690952	109.9333381	105.1533302	100.6147186	96.30402897	92.20860761	88.31656703	84.61673585
ADV1018441	8/27/2025	4.52	9/10/2025	100.11425	100.0864893	100.0587622	100.0310654	100.0033988	99.97576239	99.94815611	99.92057991	99.89303373
ADV1017086	7/7/2025	4.501	9/8/2025	100.09979	100.0774432	100.0551236	100.0328272	100.0105539	99.98830366	99.96607645	99.94387222	99.92169094
ADV1017284	7/14/2025	4.505	10/14/2025	100.51146	100.3882826	100.2654196	100.1428718	100.0206378	99.89871651	99.77710663	99.65580692	99.53481615
ADV1018307	8/21/2025	4.384	11/21/2025	100.92905	100.6998545	100.4717097	100.2446067	100.0185382	99.79349723	99.56947671	99.34646965	99.12446916
ADV1017948	8/7/2025	3.967	8/7/2026	103.7408	102.7836075	101.844115	100.9218303	100.0162831	99.12702025	98.25360475	97.39561521	96.55264503
ADV1018523	8/29/2025	4.438	9/29/2025	100.32298	100.2423621	100.1618697	100.0815076	100.0012753	99.92117269	99.84119933	99.76135497	99.68163929
ADV1017078	7/7/2025	4.503	9/8/2025	100.09983	100.0774917	100.0551721	100.0328756	100.0106022	99.98835187	99.96612458	99.94392027	99.92173892
ADV1017579	7/25/2025	4.426	12/26/2025	101.36553	101.0363158	100.7092345	100.384261	100.0613752	99.74055678	99.42178604	99.10504338	98.79030945
ADV1017615	7/28/2025	3.961	7/28/2028	112.3795	109.3293265	106.379074	103.5249296	100.763244	98.09052695	95.50343964	92.99878687	90.57351026
ADV1018455	8/27/2025	4.499	9/24/2025	100.27178	100.2050687	100.1384579	100.0719456	100.0055317	99.93921589	99.87299798	99.80687775	99.740855
ADV1017929	8/6/2025	4.036	8/6/2026	103.72748	102.7740934	101.838267	100.9195174	100.0173795	99.13140526	98.26116258	97.4062346	96.56621912
ADV1018461	8/27/2025	4.534	9/3/2025	100.03488	100.026556	100.018242	100.0099355	100.0016364	99.99334485	99.9850607	99.97678397	99.96851466
ADV1018406	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1017838	8/4/2025	3.782	8/4/2028	111.92879	108.8659	105.904016	103.0392511	100.2678941	97.58639698	94.99136615	92.47955531	90.04785797
ADV1018533	8/29/2025	4.433	9/30/2025	100.33369	100.2502789	100.1670056	100.0838692	100.0008696	99.91800627	99.83527899	99.75268743	99.67023126
ADV1017326	7/15/2025	4.155	7/15/2026	103.63918	102.7465789	101.8693878	101.007213	100.1596707	99.32638994	98.50701238	97.70119155	96.90859243
ADV1017337	7/15/2025	4.237	7/14/2026	103.63725	102.748302	101.8746439	101.0158832	100.1716404	99.3415492	98.52525517	97.72241581	96.93269986
ADV1018211	8/18/2025	4.524	9/18/2025	100.2068	100.156739	100.1067451	100.0568169	100.0069542	99.9571569	99.90742489	99.85775803	99.80815618
ADV1018008	8/11/2025	4.53	9/10/2025	100.11726	100.0894466	100.0616636	100.033911	100.0061887	99.97849666	99.95083479	99.92320306	99.89560141
ADV1017529	7/23/2025	3.967	1/25/2027	105.86623	104.4345274	103.0293095	101.6499051	100.2956639	98.96595732	97.66017701	96.37773442	95.11805988
ADV1017723	7/31/2025	4.521	9/18/2025	100.2097	100.1595228	100.1094165	100.0593759	100.0094011	99.95949183	99.90964798	99.85986941	99.81015599
ADV1017118	7/8/2025	3.939	7/8/2027	107.91352	106.0004642	104.1310031	102.3038883	100.5179139	98.77191628	97.06477176	95.39539545	93.76273952
ADV1017642	7/29/2025	4.132	7/29/2026	103.78356	102.8512651	101.9357458	101.0365545	100.1532568	99.28543382	98.43268101	97.59460794	96.77083755
ADV1018135	8/14/2025	4.526	9/15/2025	100.17348	100.1317509	100.0900773	100.048455	100.0068839	99.96536394	99.92389493	99.88247681	99.84110948
ADV1017795	8/1/2025	4.541	9/2/2025	100.02801	100.0224414	100.016881	100.0113254	100.0057747	100.0002287	99.99468765	99.98915138	99.98361992
ADV1017028	7/2/2025	3.976	1/4/2027	105.53167	104.1612339	102.8152115	101.4930067	100.1940413	98.91775492	97.66360517	96.43106631	95.21962891
ADV1017657	7/29/2025	4.574	9/4/2025	100.05175	100.0406155	100.0294885	100.0183718	100.0072654	99.99616929	99.98508343	99.9740078	99.96294241
ADV1018479	8/28/2025	4.51	9/4/2025	100.04583	100.0347364	100.0236517	100.0125773	100.0015132	99.9904593	99.97941563	99.96838216	99.95735888
ADV1017342	7/15/2025	4.538	9/15/2025	100.1791	100.1372133	100.0953823	100.0536028	100.0118747	99.97019788	99.92857223	99.88699767	99.84547409
ADV1017784	8/1/2025	4.237	4/1/2026	102.42566	101.8304203	101.2421066	100.6605938	100.0857645	99.51750371	98.95569943	98.40024201	97.85102429
ADV1018004	8/11/2025	3.852	8/12/2030	120.43551	115.0814055	110.0026114	105.1834858	100.6093589	96.26646539	92.14188355	88.22347963	84.49985564

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017543	7/24/2025	4.378	1/26/2026	101.72869	101.3110332	100.8967829	100.4858972	100.0783353	99.67405706	99.27302284	98.87519371	98.48053136
ADV1018486	8/28/2025	4.511	9/4/2025	100.04584	100.0347476	100.0236629	100.0125885	100.0015244	99.99047051	99.97942684	99.96839337	99.95737009
ADV1017915	8/6/2025	4.029	8/6/2026	103.72087	102.767515	101.831722	100.9130053	100.0108998	99.12495767	98.25474663	97.39984992	96.55986532
ADV1018548	8/29/2025	3.697	8/29/2028	111.9337	108.8012157	105.7742601	102.8486884	100.0205413	97.28603715	94.64156346	92.0836678	89.60904991
ADV1017957	8/7/2025	4.746	12/17/2038	149.44624	134.3232126	121.0019155	109.2530716	98.87790566	89.70393854	81.58137746	74.38001818	67.98658446
ADV1018167	8/15/2025	4.367	11/17/2025	100.87962	100.6615343	100.4444038	100.2282204	100.0129777	99.7986696	99.58528992	99.37283258	99.16129154
ADV1018011	8/11/2025	4.358	12/11/2025	101.16092	100.8749851	100.5906698	100.3079622	100.0268488	99.74731596	99.46935027	99.19293849	98.91806754
ADV1017079	7/7/2025	4.502	10/7/2025	100.43027	100.326659	100.2232708	100.1201055	100.0171624	99.91444055	99.81193938	99.70965809	99.60759595
ADV1017532	7/23/2025	4.514	10/23/2025	100.61678	100.4684528	100.3205681	100.1731282	100.026131	99.87957443	99.7334566	99.58777548	99.44252909
ADV1018200	8/18/2025	4.523	9/18/2025	100.20675	100.1566885	100.1066947	100.0567665	100.0069039	99.95710663	99.90737467	99.85770785	99.80810605
ADV1017878	8/5/2025	3.792	8/4/2028	111.95842	108.8950861	105.9327696	103.0675827	100.2958139	97.61391478	95.01849148	92.50629739	90.07422573
ADV1017122	7/8/2025	4.431	1/8/2026	101.53002	101.1630085	100.7986335	100.4368673	100.077682	99.72104982	99.36694363	99.01533656	98.66620215
ADV1017893	8/5/2025	4.141	7/25/2031	124.42746	117.9890903	111.9346379	106.2391046	100.879245	95.83343631	91.08155668	86.60487399	82.38594299
ADV1018411	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1017923	8/6/2025	3.796	5/14/2027	106.96948	105.2191704	103.5061745	101.8293653	100.1876602	98.58002008	97.00544727	95.46298314	93.95170633
ADV1018346	8/22/2025	4.506	9/22/2025	100.25046	100.1892861	100.1281965	100.0671939	100.0062781	99.94544889	99.88470616	99.82404969	99.76347929
ADV1018239	8/19/2025	4.189	2/19/2026	101.92603	101.4414816	100.961525	100.4860915	100.0151172	99.54853964	99.08629742	98.62833029	98.17457909
ADV1018380	8/25/2025	3.79	8/25/2028	112.1747	109.0496622	106.0295132	103.1101504	100.2876518	97.55827105	94.91842823	92.36470175	89.89382022
ADV1018177	8/15/2025	4.524	9/15/2025	100.17322	100.1315017	100.0898334	100.0482164	100.0066506	99.96513587	99.92367213	99.88225926	99.84089718
ADV1017759	7/31/2025	4.435	1/30/2026	101.80072	101.3718423	100.9465469	100.5247903	100.1065287	99.69171886	99.28031816	98.87228482	98.46757769
ADV1017203	7/10/2025	3.994	5/10/2027	107.13681	105.3981282	103.6963017	102.0302219	100.3988258	98.80109324	97.236044	95.70273618	94.2002642
ADV1018262	8/20/2025	4.049	8/19/2026	103.8926	102.9021115	101.9305542	100.9773868	100.04209	99.12416398	98.22312728	97.33851619	96.46988383
ADV1018556	8/29/2025	4.512	9/12/2025	100.13635	100.1030404	100.0697715	100.0365408	100.0033482	99.9701937	99.93707715	99.90399849	99.87095767
ADV1017235	7/11/2025	3.927	7/12/2027	107.93975	106.0154283	104.1351899	102.2977644	100.501926	98.7464923	97.03032172	95.35231233	93.71140001
ADV1017190	7/10/2025	4.504	10/10/2025	100.46513	100.3531348	100.2413985	100.1299236	100.0187094	99.90775469	99.79705868	99.68662037	99.57643883
ADV1017662	7/30/2025	3.999	7/29/2030	120.65312	115.3454279	110.3082787	105.5264339	100.9855908	96.67232076	92.57401165	88.67881374	84.97558993
ADV1017275	7/14/2025	4.065	1/15/2027	105.78435	104.3820998	103.0053237	101.6533856	100.3256706	99.02158386	97.74054932	96.48200936	95.2454239
ADV1018084	8/15/2025	4.08	5/15/2026	102.81653	102.0978224	101.3891855	100.6904072	100.0012823	99.32161139	98.65120061	97.98986123	97.33740969
ADV1018272	8/20/2025	4.012	8/20/2026	103.86816	102.8750059	101.9008902	100.9452639	100.0076037	99.08740557	98.18418431	97.29747258	96.42682005
ADV1018410	8/26/2025	4.515	9/19/2025	100.21633	100.1635368	100.1108148	100.0581636	100.0055829	99.95307264	99.90063266	99.84826283	99.79596298
ADV1018492	8/28/2025	4.164	2/27/2026	102.00494	101.4980686	100.9962081	100.4992826	100.0072197	99.51994832	99.0373989	98.55950314	98.08619408
ADV1018505	8/28/2025	4.505	9/18/2025	100.20415	100.1541559	100.1042251	100.05436	100.0045602	99.95482585	99.90515665	99.85555251	99.80601329
ADV1018341	8/22/2025	4.286	12/22/2025	101.26843	100.9518185	100.6371922	100.3245306	100.013815	99.70502723	99.39814945	99.09316385	98.7900529

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017982	8/8/2025	3.796	8/8/2029	116.31386	112.1157551	108.0952759	104.2439599	100.5537906	97.01717427	93.62691473	90.37619089	87.258535
ADV1017864	8/5/2025	3.894	2/5/2027	105.79766	104.3367173	102.9033148	101.4967437	100.1163158	98.76136579	97.4312505	96.12534795	94.84305652
ADV1018235	8/19/2025	4.506	9/3/2025	100.03601	100.0276782	100.0193559	100.0110412	100.0027339	99.99443404	99.98614164	99.97785668	99.96957914
ADV1017892	8/5/2025	4.141	7/25/2031	124.42746	117.9890903	111.9346379	106.2391046	100.879245	95.83343631	91.08155668	86.60487399	82.38594299
ADV1018364	8/25/2025	4.013	8/25/2026	103.9278	102.9203887	101.9325463	100.9637056	100.0133215	99.08086963	98.16584539	97.26776289	96.38615417
ADV1018312	8/21/2025	4.504	9/22/2025	100.25051	100.1893238	100.1282267	100.0672166	100.0062933	99.94545662	99.88470643	99.8240425	99.76346467
ADV1017153	7/9/2025	4.236	5/12/2026	102.89403	102.1833637	101.4825379	100.7913485	100.1095975	99.43709193	98.77364443	98.11907249	97.47319851
ADV1017963	8/7/2025	4.399	11/4/2025	100.73555	100.5538271	100.3727621	100.1923518	100.0125924	99.83348058	99.65501272	99.47718534	99.29999498
ADV1018502	8/28/2025	4.505	9/18/2025	100.20415	100.1541559	100.1042251	100.05436	100.0045602	99.95482585	99.90515665	99.85555251	99.80601329
ADV1018450	8/27/2025	3.712	8/27/2029	116.17333	111.9243578	107.8574067	103.9636912	100.2348998	96.66316474	93.24103594	89.96145633	86.81773909
ADV1017200	7/10/2025	4.177	7/10/2026	103.53781	102.66047	101.798029	100.9501137	100.1163586	99.29641067	98.48992846	97.69658167	96.91605077
ADV1017580	7/25/2025	4.208	7/27/2026	103.76529	102.839558	101.9303772	101.0373065	100.15992	99.29780682	98.45057011	97.61782679	96.79920682
ADV1018082	8/15/2025	4.364	11/17/2025	100.87897	100.6608847	100.4437559	100.2275741	100.0123331	99.79802668	99.58464865	99.37219296	99.16065356
ADV1017382	7/16/2025	4.473	11/5/2025	100.76446	100.5793945	100.3950095	100.2113027	100.0282703	99.84590855	99.6642138	99.48318233	99.30281049
ADV1017719	7/31/2025	4.524	9/5/2025	100.06215	100.0482359	100.0343303	100.020438	100.006559	99.99269317	99.97884055	99.96500112	99.95117484
ADV1017693	7/30/2025	3.977	7/30/2027	108.115	106.1420126	104.2152352	102.3333057	100.4949114	98.69878703	96.94371216	95.22850969	93.5520438
ADV1018473	8/28/2025	4.454	9/29/2025	100.32444	100.2438059	100.1633025	100.0829293	100.0026861	99.92257246	99.84258815	99.76273285	99.68300626
ADV1017848	8/4/2025	4.538	9/4/2025	100.05028	100.0391468	100.0280286	100.0169207	100.0058231	99.9947357	99.98365859	99.97259171	99.96153506
ADV1017463	7/21/2025	4.541	9/22/2025	100.25804	100.1966114	100.1352743	100.0740246	100.012862	99.95178643	99.89079764	99.82989546	99.76907971
ADV1018273	8/20/2025	3.893	2/22/2027	106.01148	104.4975992	103.0131807	101.5574402	100.1296187	98.72898295	97.35482528	96.00646197	94.68323237
ADV1017336	7/15/2025	4.038	7/15/2027	108.04957	106.1184213	104.2316375	102.3879383	100.5860865	98.82488849	97.10319247	95.41988646	93.7738968
ADV1017868	8/5/2025	4.278	8/5/2033	131.63358	122.818	114.6814542	107.1675939	100.2250348	93.80689533	87.8703801	82.37640418	77.28925374
ADV1018284	8/20/2025	4.248	1/20/2026	101.59962	101.200637	100.8047831	100.4120227	100.0223196	99.63563811	99.25194311	98.87120001	98.49337475
ADV1017691	8/1/2025	4.5	11/3/2025	100.74285	100.5637598	100.3853079	100.2074898	100.030302	99.85374119	99.67780406	99.50248727	99.32778755
ADV1017978	8/8/2025	4.378	11/10/2025	100.80152	100.6029593	100.4051868	100.208201	100.0119971	99.81657027	99.62191598	99.42802956	99.2349064
ADV1018371	8/25/2025	4.499	9/25/2025	100.28341	100.2138918	100.1444834	100.0751795	100.0059801	99.93688471	99.86789328	99.79900552	99.7302212
ADV1017196	7/10/2025	4.341	2/10/2026	101.89654	101.4352285	100.978057	100.5249727	100.075921	99.63084817	99.18970137	98.75242881	98.31897954
ADV1018000	8/8/2025	3.862	8/8/2030	120.44826	115.1052351	110.036381	105.226154	100.659973	96.32415443	92.20585133	88.29299857	84.57426111
ADV1018035	8/12/2025	4.528	9/12/2025	100.13978	100.1064019	100.0730618	100.03976	100.0064963	99.97327083	99.94008338	99.90693391	99.87382236
ADV1018342	8/22/2025	4.165	2/23/2026	101.96022	101.4644577	100.9734908	100.4872524	100.0056743	99.5286899	99.05623361	98.58824125	98.12464979
ADV1018236	8/19/2025	3.744	8/21/2028	112.21617	109.0964735	106.0812442	103.1663987	100.3480406	97.62244723	94.98606114	92.43548167	89.96745709
ADV1018447	8/27/2025	4.516	9/17/2025	100.19353	100.146311	100.0991514	100.0520523	100.0050139	99.95803577	99.91111797	99.86426033	99.81746274
ADV1018451	8/27/2025	3.712	8/27/2029	116.17333	111.9243578	107.8574067	103.9636912	100.2348998	96.66316474	93.24103594	89.96145633	86.81773909

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017822	8/4/2025	4.537	9/3/2025	100.03886	100.0305176	100.0221796	100.013849	100.0055259	99.99721032	99.98890217	99.98060147	99.97230821
ADV1017807	8/1/2025	4.451	10/31/2025	100.69851	100.5278814	100.3578242	100.1883371	100.0194172	99.85106171	99.68326786	99.51603285	99.34935391
ADV1018075	8/13/2025	4.532	9/15/2025	100.1739	100.1321694	100.0904904	100.0488627	100.0072861	99.96576072	99.92428628	99.88286275	99.84149002
ADV1018026	8/11/2025	3.877	8/11/2027	108.06565	106.0601406	104.1023439	102.1908296	100.3242212	98.50119261	96.72046583	94.98080883	93.28103361
ADV1017757	7/31/2025	4.435	1/30/2026	101.80072	101.3718423	100.9465469	100.5247903	100.1065287	99.69171886	99.28031816	98.87228482	98.46757769
ADV1018419	8/26/2025	3.775	8/26/2030	120.1747	114.7872345	109.6788804	104.8336622	100.2366048	95.87366328	91.73166009	87.79822716	84.06175188
ADV1016980	7/1/2025	4.042	7/1/2026	103.37794	102.525584	101.6873013	100.8627438	100.0515762	99.25347408	98.46812338	97.69522008	96.93446973
ADV1018474	8/28/2025	4.454	9/29/2025	100.32444	100.2438059	100.1633025	100.0829293	100.0026861	99.92257246	99.84258815	99.76273285	99.68300626
ADV1017187	7/10/2025	4.22	6/10/2026	103.22012	102.4275835	101.647244	100.8788217	100.1220446	99.37664915	98.64237946	97.91898738	97.2062321
ADV1017652	7/29/2025	4.06	1/29/2027	105.94462	104.5030666	103.0883411	101.6997561	100.3366494	98.99838094	97.6843314	96.39390173	95.12651219
ADV1017798	8/1/2025	3.922	2/1/2027	105.78724	104.3384438	102.9167554	101.5214759	100.1519332	98.80747738	97.48747986	96.19133273	94.91844774
ADV1017408	7/17/2025	4.068	1/19/2027	105.83671	104.4231927	103.0355315	101.6730782	100.3352045	99.02130273	97.7307847	96.46308108	95.21764056
ADV1017672	7/29/2025	4.519	10/29/2025	100.68708	100.5219865	100.3574328	100.1934171	100.0299367	99.86698904	99.70457152	99.54268155	99.3813166
ADV1017710	7/30/2025	4.522	10/30/2025	100.69918	100.5312877	100.3639558	100.197178	100.0309515	99.86527354	99.70014149	99.53555266	99.37150438
ADV1018489	8/28/2025	4.475	9/26/2025	100.29246	100.2201866	100.148025	100.0759742	100.0040339	99.93220382	99.86048375	99.78887342	99.71737261
ADV1017384	7/16/2025	3.971	1/19/2027	105.80065	104.3858034	102.9968583	101.6331674	100.2941008	98.97904925	97.68742308	96.41865154	95.172182
ADV1018547	8/29/2025	4.311	11/28/2025	100.99145	100.7428183	100.4954084	100.2492117	100.0042195	99.76042282	99.51781299	99.27638137	99.03611941
ADV1017197	7/10/2025	4.305	3/10/2026	102.21177	101.6699438	101.1338081	100.6032753	100.0782578	99.55866985	99.04442754	98.53544858	98.03165241
ADV1018276	8/20/2025	4.175	2/20/2026	101.93074	101.443426	100.9607495	100.4826468	100.0090532	99.53990498	99.07513984	98.61469652	98.15851491
ADV1018339	8/22/2025	3.799	8/22/2030	120.25994	114.8817196	109.7815319	104.9434976	100.3527289	95.99526045	91.85798781	87.92860963	84.19557447
ADV1018297	8/21/2025	4.37	11/21/2025	100.92586	100.6966709	100.4685342	100.2414392	100.0153787	99.79034571	99.56633311	99.34333395	99.12134131
ADV1018347	8/26/2025	3.74	8/15/2028	111.917	108.8236898	105.8333594	102.9420094	100.1458208	97.44114386	94.82448992	92.29252294	89.8420521
ADV1017817	8/4/2025	4.536	9/2/2025	100.02746	100.0218931	100.0163348	100.0107814	100.0052327	99.99968894	99.99414997	99.98861581	99.98308645
ADV1017821	8/4/2025	3.966	8/4/2026	103.70478	102.7561593	101.8249175	100.9105829	100.0126976	99.1308202	98.26452492	97.41340099	96.57705198
ADV1017763	7/31/2025	4.499	10/31/2025	100.70686	100.5361843	100.3660857	100.1965573	100.0275963	99.85919982	99.69136511	99.52408936	99.35736983
ADV1017015	7/2/2025	4.377	1/2/2026	101.43785	101.0878256	100.7401904	100.394922	100.0519963	99.71138949	99.37307822	99.0370393	98.70324992
ADV1017053	7/3/2025	4.494	10/3/2025	100.38334	100.2909116	100.1986593	100.1065804	100.0146746	99.92294118	99.83137979	99.73998989	99.64877099
ADV1017754	7/31/2025	4.035	7/24/2030	120.78363	115.4868664	110.4593561	105.6859726	101.1525161	96.84565244	92.75285605	88.86235655	85.16308966
ADV1017216	7/10/2025	4.504	10/10/2025	100.46513	100.3531348	100.2413985	100.1299236	100.0187094	99.90775469	99.79705868	99.68662037	99.57643883
ADV1018392	8/25/2025	4.511	9/2/2025	100.02369	100.0181449	100.0126013	100.0070625	100.0015286	99.9959994	99.99047506	99.98495551	99.97944077
ADV1017721	7/31/2025	4.241	7/31/2026	103.84267	102.905429	101.985135	101.0813317	100.1935784	99.32145012	98.46453662	97.62244197	96.79478387
ADV1018477	8/28/2025	4.518	9/17/2025	100.19346	100.1462422	100.0990884	100.0519953	100.0049626	99.95799034	99.91107835	99.86422653	99.81743474
ADV1017089	7/7/2025	4.2	7/7/2026	103.52239	102.6534718	101.7991712	100.9591219	100.132969	99.3203692	98.52099062	97.73451196	96.96062234

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017830	8/4/2025	4.11	6/4/2026	103.06578	102.2905859	101.527069	100.774967	100.034025	99.30399582	98.5846393	97.87572242	97.17701889
ADV1017609	7/28/2025	4.51	10/28/2025	100.67403	100.5117308	100.3499579	100.1887071	100.0279759	99.86776157	99.70806181	99.5488741	99.39019599
ADV1017035	7/2/2025	3.94	4/2/2027	106.56714	104.9401548	103.3462013	101.7843456	100.2536846	98.75334888	97.28250103	95.84033421	94.42607074
ADV1017486	7/22/2025	4.155	7/22/2026	103.65826	102.7469528	101.8517055	100.9720959	100.1077163	99.25817301	98.42308592	97.60208774	96.79482356
ADV1017937	8/6/2025	4.547	9/8/2025	100.09575	100.0734888	100.0512514	100.029037	100.0068456	99.98467727	99.96253184	99.94040932	99.91830966
ADV1018049	8/12/2025	4.373	11/12/2025	100.82318	100.6190929	100.415838	100.2134146	100.0118175	99.81104168	99.61108198	99.4119334	99.21359092
ADV1017344	7/15/2025	4.322	4/15/2026	102.63686	102.0020325	101.3750779	100.7558499	100.1442059	99.5400069	98.94311736	98.35340487	97.77074027
ADV1017460	7/21/2025	3.89	7/21/2028	112.09343	109.066913	106.1389894	103.3059122	100.5641008	97.91012987	95.3407215	92.85273819	90.44317589
ADV1017741	7/31/2025	4.498	10/31/2025	100.70669	100.5360143	100.3659161	100.1963881	100.0274275	99.8590315	99.6911972	99.52392188	99.35720276
ADV1016995	7/1/2025	4.465	10/1/2025	100.35773	100.2709012	100.1842238	100.097696	100.0113176	99.92508802	99.83900703	99.75307421	99.66728916
ADV1018087	8/13/2025	3.756	8/14/2028	111.95606	108.8649247	105.876605	102.9871104	100.1926313	97.48952676	94.87431635	92.34367179	89.89440954
ADV1017578	7/25/2025	4.502	10/27/2025	100.66151	100.5019724	100.3429408	100.1844157	100.0263945	99.86887481	99.71185435	99.5553307	99.39930149
ADV1017497	7/22/2025	3.955	7/22/2027	107.87726	105.93038	104.0286168	102.1706508	100.3552139	98.5810829	96.8470777	95.15205953	93.49492914
ADV1017766	7/31/2025	4.144	11/19/2026	105.17413	103.9178966	102.6917623	101.4946575	100.3255584	99.18348932	98.06751917	96.97675933	95.91036114
ADV1018458	8/27/2025	3.837	2/26/2027	105.97707	104.4514189	102.9556797	101.4890482	100.0507485	98.64003129	97.2561736	95.89847708	94.56626716
ADV1018165	8/15/2025	4.039	8/14/2026	103.8244	102.8481999	101.8903998	100.9504817	100.0279474	99.12231726	98.23312894	97.35993695	96.50231175
ADV1018073	8/13/2025	4.531	9/15/2025	100.17386	100.1321271	100.0904481	100.0488204	100.007244	99.96571857	99.92424418	99.88282068	99.84144798
ADV1017930	8/6/2025	3.909	2/8/2027	105.85758	104.3871258	102.9445508	101.5291326	100.1401704	98.77698717	97.43892845	96.12536151	94.83567442
ADV1017325	7/15/2025	4.125	7/15/2030	121.14357	115.8634439	110.8503731	106.0894248	101.5665783	97.26866365	93.18330542	89.2988711	85.60442266
ADV1018202	8/18/2025	3.963	9/3/2030	120.82195	115.407716	110.2744838	105.4061334	100.7875546	96.40457832	92.24391295	88.2930855	84.54038691
ADV1017810	8/1/2025	3.852	4/21/2027	106.66159	104.9800436	103.3333732	101.7205636	100.1406345	98.59264345	97.07568408	95.58888417	94.13140415
ADV1017870	8/5/2025	4.058	8/5/2031	124.34876	117.8699058	111.7796188	106.0524539	100.6647646	95.59456381	90.82139922	86.32623861	82.09136429
ADV1017697	7/30/2025	4.546	9/30/2025	100.34816	100.2644309	100.180835	100.0973766	100.0140555	99.93087118	99.84782346	99.76491198	99.68213642
ADV1017839	8/4/2025	4.261	2/4/2026	101.78561	101.3430058	100.9042278	100.4692245	100.0379473	99.61034846	99.18638119	98.76599933	98.34915754
ADV1017614	7/28/2025	4.068	1/28/2027	105.94396	104.5051379	103.0930496	101.7070092	100.3463578	99.01045848	97.69869524	96.41047194	95.14521165
ADV1017908	8/6/2025	4.373	11/12/2025	100.82413	100.6198961	100.4164947	100.2139254	100.012183	99.81126246	99.61115863	99.41186651	99.21338107
ADV1018196	8/18/2025	4.523	9/18/2025	100.20675	100.1566885	100.1066947	100.0567665	100.0069039	99.95710663	99.90737467	99.85770785	99.80810605
ADV1017968	8/7/2025	4.54	9/8/2025	100.09542	100.0731581	100.0509236	100.0287121	100.0065237	99.98435823	99.96221572	99.94009612	99.91799938
ADV1018413	8/26/2025	4.411	10/27/2025	100.64184	100.4829575	100.3245796	100.166706	100.0093343	99.85246208	99.69608701	99.5402067	99.3848188
ADV1017210	7/10/2025	4.104	7/10/2026	103.53568	102.6575064	101.7942591	100.9455633	100.1110526	99.290373	98.48318222	97.68914913	96.90795339
ADV1018308	8/21/2025	4.215	2/23/2026	101.98482	101.4888697	100.9977231	100.5113066	100.0295522	99.5523931	99.0797638	98.61160006	98.14783884
ADV1017788	8/1/2025	3.863	8/2/2027	107.93356	105.9541613	104.0213135	102.1336368	100.289804	98.48853551	96.7285978	95.008801	93.32799725
ADV1017583	7/25/2025	4.534	9/25/2025	100.29107	100.2212885	100.151608	100.0820325	100.0125619	99.94319571	99.87393388	99.80477613	99.73572224

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017071	7/7/2025	3.976	1/8/2029	114.30374	110.7592506	107.3453419	104.0565195	100.8875465	97.83343304	94.88942311	92.05098242	89.31378692
ADV1018125	8/14/2025	3.952	8/14/2026	103.80848	102.8313966	101.8727423	100.9320009	100.008673	99.10227763	98.21235148	97.33844792	96.48013641
ADV1018311	8/21/2025	3.92	8/21/2029	116.64975	112.416498	108.3635823	104.4823425	100.7645843	97.2025486	93.78888598	90.51663283	87.379189
ADV1018042	8/12/2025	4.242	2/12/2026	101.87002	101.4049948	100.9442017	100.4875787	100.0350695	99.58661851	99.14217124	98.7016742	98.26507483
ADV1018496	8/28/2025	4.063	6/29/2026	103.30907	102.4633732	101.6315372	100.8132231	100.0081031	99.21585966	98.43618549	97.66878298	96.91336388
ADV1017863	8/5/2025	4.033	8/5/2026	103.71323	102.7627033	101.8296336	100.9135406	100.0139635	99.13045809	98.26259598	97.40996387	96.57216293
ADV1017091	7/7/2025	3.955	7/7/2028	112.12956	109.1414186	106.2494436	103.4500246	100.7397095	98.11519405	95.57331453	93.11104083	90.72547023
ADV1017239	7/11/2025	3.966	7/11/2028	112.20595	109.2055689	106.3020764	103.4918219	100.7713161	98.13721946	95.58633487	93.1156009	90.72208521
ADV1017201	7/10/2025	4.091	10/13/2026	104.63126	103.4825493	102.3591269	101.2601675	100.1848771	99.13249582	98.10229611	97.0935809	96.10568213
ADV1017244	7/11/2025	3.997	1/11/2029	114.40896	110.8542828	107.4308383	104.1330911	100.9557676	97.89384294	94.94252884	92.09726051	89.35368528
ADV1017724	7/31/2025	4.521	9/18/2025	100.2097	100.1595228	100.1094165	100.0593759	100.0094011	99.95949183	99.90964798	99.85986941	99.81015599
ADV1018094	8/13/2025	4.437	10/14/2025	100.49814	100.375435	100.2530422	100.1309634	100.0091972	99.88774257	99.76659811	99.64576264	99.52523493
ADV1018198	8/18/2025	4.511	9/23/2025	100.26277	100.1987719	100.1348688	100.0710584	100.0073406	99.9437152	99.88018196	99.8167407	99.7533912
ADV1018179	8/15/2025	3.877	8/16/2027	108.12402	106.1041594	104.1326608	102.2080635	100.3289636	98.49400883	96.70189619	94.95137002	93.24121981
ADV1017895	8/5/2025	4.145	8/1/2031	124.50835	118.0479417	111.973871	106.260908	100.8855984	95.82612979	91.06220827	86.57494561	82.34675492
ADV1018545	8/29/2025	4.509	9/5/2025	100.05697	100.0431066	100.0292515	100.0154096	100.001581	99.9877655	99.97396318	99.96017399	99.94639792
ADV1018483	8/28/2025	4.334	11/26/2025	100.97422	100.7311792	100.489307	100.2485981	100.0090442	99.77063699	99.53336821	99.29722973	99.06221348
ADV1018089	8/13/2025	4.086	5/13/2026	102.79841	102.0853351	101.3821696	100.688712	100.0047617	99.33012385	98.66460882	98.00803211	97.36021418
ADV1017658	7/29/2025	4.184	7/29/2026	103.7664	102.8351041	101.9205506	101.0222949	100.1399039	99.2729595	98.4210584	97.5838111	96.7608415
ADV1018529	8/29/2025	4.438	9/29/2025	100.32298	100.2423621	100.1618697	100.0815076	100.0012753	99.92117269	99.84119933	99.76135497	99.68163929
ADV1017883	8/5/2025	3.908	2/5/2027	105.81801	104.3569087	102.9233544	101.5166343	100.1360598	98.78096569	97.45070872	96.14466683	94.86223833
ADV1017426	7/18/2025	4.118	7/20/2026	103.66543	102.7587837	101.8680284	100.992753	100.132556	99.28704937	98.45585869	97.63862198	96.83498942
ADV1017781	8/1/2025	4.457	11/3/2025	100.73516	100.556093	100.377661	100.1998626	100.0226944	99.84615324	99.67023563	99.4949383	99.32025796
ADV1018048	8/12/2025	4.373	11/12/2025	100.82318	100.6190929	100.415838	100.2134146	100.0118175	99.81104168	99.61108198	99.4119334	99.21359092
ADV1017869	8/5/2025	4.162	8/5/2032	127.94155	120.3014063	113.1854091	106.5546114	100.3731603	94.60803361	89.22880244	84.20741493	79.51799925
ADV1017142	7/9/2025	4.183	7/9/2026	103.53132	102.6567936	101.7970716	100.9517837	100.1205679	99.3030744	98.49896498	97.70791235	96.92959986
ADV1018070	8/13/2025	4.531	9/15/2025	100.17386	100.1321271	100.0904481	100.0488204	100.007244	99.96571857	99.92424418	99.88282068	99.84144798
ADV1018383	8/25/2025	4.5	9/25/2025	100.28347	100.2139614	100.1445529	100.075249	100.0060495	99.93695406	99.86796257	99.79907475	99.73029038
ADV1018207	8/18/2025	4.442	10/20/2025	100.56723	100.4277967	100.2887682	100.1501383	100.0119055	99.87406785	99.7366237	99.59957132	99.46290899
ADV1018457	8/27/2025	4.421	10/27/2025	100.64327	100.4843972	100.3260359	100.1681788	100.0108236	99.85396783	99.69760914	99.54174516	99.38637355
ADV1018097	8/13/2025	4.531	9/15/2025	100.17386	100.1321271	100.0904481	100.0488204	100.007244	99.96571857	99.92424418	99.88282068	99.84144798
ADV1017828	8/4/2025	4.038	8/4/2026	103.7062	102.7585002	101.8281529	100.9146828	100.017633	99.13656332	98.27104905	97.42068041	96.58506194
ADV1018520	8/29/2025	4.31	11/28/2025	100.9912	100.7425718	100.4951625	100.2489665	100.0039749	99.76017878	99.51756956	99.27613854	99.03587719

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018412	8/26/2025	4.513	9/16/2025	100.18223	100.1377817	100.0933938	100.0490618	100.0047856	99.96056495	99.91639985	99.87229016	99.82823579
ADV1018014	8/11/2025	4.53	9/11/2025	100.12864	100.0980418	100.0674784	100.0369492	100.0064542	99.97599325	99.94556637	99.91517348	99.88481452
ADV1018418	8/26/2025	4.412	10/27/2025	100.642	100.4831157	100.3247375	100.1668636	100.0094916	99.85261916	99.69624382	99.54036324	99.38497508
ADV1017191	7/10/2025	4.482	11/10/2025	100.82682	100.6274928	100.4289613	100.2312194	100.0342624	99.83808551	99.64268411	99.44805352	99.25418912
ADV1017875	8/5/2025	3.784	8/7/2028	111.96671	108.8949157	105.9246798	103.0520835	100.2733861	97.58501124	94.98353933	92.46569923	90.02836118
ADV1017094	7/7/2025	4.274	7/7/2031	125.40208	118.9742409	112.9266869	107.2348368	101.8758231	96.82836259	92.07263912	87.5901952	83.36383236
ADV1018058	8/12/2025	4.527	9/12/2025	100.13975	100.1063678	100.0730278	100.039726	100.0064624	99.97323693	99.94004951	99.90690007	99.87378854
ADV1018524	8/29/2025	3.707	2/29/2028	110.00261	107.4070165	104.8869375	102.4397338	100.0628743	97.75393217	95.51057938	93.33058223	91.21179681
ADV1017961	8/7/2025	3.786	8/7/2028	111.97225	108.9003555	105.9300208	103.0573282	100.278537	97.59007079	94.98850981	92.47058287	90.03316013
ADV1017459	7/21/2025	4.397	1/21/2026	101.67546	101.2719251	100.8715823	100.474389	100.0803081	99.68930292	99.30133757	98.9163766	98.53438514
ADV1017646	7/29/2025	3.943	1/25/2028	110.18005	107.6844088	105.2586596	102.9004504	100.6075248	98.37771519	96.20893863	94.0991933	92.0465546
ADV1018393	8/25/2025	4.511	9/2/2025	100.02369	100.0181449	100.0126013	100.0070625	100.0015286	99.9959994	99.99047506	99.98495551	99.97944077
ADV1018372	8/25/2025	4.502	9/23/2025	100.26101	100.197074	100.1332271	100.0694729	100.0058112	99.94224184	99.87876454	99.81537913	99.75208541
ADV1017401	7/17/2025	4.531	9/17/2025	100.20121	100.1537419	100.1063391	100.0589973	100.0117163	99.96449598	99.91733629	99.87023708	99.82319822
ADV1017840	8/4/2025	4.02	8/4/2026	103.68929	102.7416808	101.8114182	100.8980316	100.0010644	99.12007621	98.25464244	97.40435331	96.56881337
ADV1017827	8/4/2025	3.894	2/10/2027	105.86185	104.3853761	102.9370003	101.5159931	100.1216455	98.75327271	97.41021293	96.09182632	94.79749421
ADV1017070	7/7/2025	3.946	7/7/2028	112.10347	109.1157083	106.2241035	103.4250456	100.715083	98.09091177	95.54936826	93.0874227	90.70217261
ADV1018174	8/15/2025	4.231	1/15/2026	101.53444	101.149492	100.7674604	100.3883127	100.0120163	99.63853895	99.26784894	98.89991505	98.53470653
ADV1017661	7/30/2025	3.999	7/25/2030	120.61386	115.3184313	110.2923824	105.520571	100.9887824	96.68366909	92.59269314	88.70407319	85.00673495
ADV1018274	8/20/2025	3.819	8/20/2027	108.05422	106.0240745	104.0427832	102.1088685	100.2209048	98.37751925	96.5773895	94.81924131	93.10184655
ADV1017786	8/1/2025	4.54	9/2/2025	100.028	100.0224347	100.0168743	100.0113187	100.005768	100.0002221	99.99468099	99.98914472	99.98361326
ADV1018128	8/14/2025	4.526	9/18/2025	100.20758	100.1574928	100.1074738	100.0575205	100.0076327	99.95781041	99.90805341	99.85836159	99.8087348
ADV1018275	8/20/2025	4.511	9/3/2025	100.03588	100.027552	100.0192307	100.010917	100.0026107	99.99431189	99.98602052	99.97773658	99.96946005
ADV1018085	8/15/2025	3.988	8/17/2026	103.81037	102.8258842	101.8601142	100.9125269	99.98261145	99.06987619	98.17384746	97.29406893	96.43010075
ADV1018206	8/18/2025	4.524	9/18/2025	100.2068	100.156739	100.1067451	100.0568169	100.0069542	99.9571569	99.90742489	99.85775803	99.80815618
ADV1017108	7/7/2025	4.205	7/7/2026	103.5267	102.6577582	101.8034376	100.9633685	100.1371961	99.32457707	98.52517943	97.73868192	96.96477367
ADV1018169	8/15/2025	4.527	9/15/2025	100.17335	100.1316283	100.08996	100.0483429	100.006777	99.96526212	99.92379826	99.88238529	99.84102311
ADV1017536	7/23/2025	4.49	11/12/2025	100.85023	100.6455714	100.441755	100.2387723	100.0366184	99.83528787	99.63477577	99.43507702	99.23618661
ADV1017274	7/14/2025	4.191	7/15/2026	103.60864	102.717041	101.8408282	100.9796031	100.1329831	99.30059806	98.4820907	97.67711541	96.88533805
ADV1018141	8/14/2025	4.525	9/15/2025	100.17343	100.1317086	100.0900351	100.0484128	100.0068418	99.96532183	99.92385285	99.88243477	99.84106748
ADV1018194	8/18/2025	4.292	12/18/2025	101.22372	100.9182835	100.6146949	100.3129389	100.0129989	99.71485849	99.41850131	99.12391136	98.83107276
ADV1018280	8/20/2025	4.297	12/18/2025	101.22493	100.9195566	100.6160344	100.3143444	100.01447	99.71639471	99.42010231	99.12557675	98.83280217
ADV1017927	8/6/2025	3.965	8/6/2026	103.72701	102.7726896	101.8359572	100.9163319	100.0133477	99.12655537	98.25552165	97.3998287	96.55907333

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018552	8/29/2025	4.509	9/5/2025	100.05697	100.0431066	100.0292515	100.0154096	100.001581	99.9877655	99.97396318	99.96017399	99.94639792
ADV1016982	7/1/2025	4.375	1/2/2026	101.43732	101.0872518	100.7395788	100.3942728	100.0513097	99.71066587	99.37231776	99.03624226	98.70241654
ADV1017268	7/14/2025	4.253	5/6/2026	102.83508	102.1412978	101.4568922	100.781675	100.1154618	99.45807322	98.80933439	98.16907518	97.53712988
ADV1017095	7/7/2025	4.356	7/7/2032	129.07136	121.4740935	114.391875	107.7868628	101.624184	95.87168876	90.49972499	85.48093221	80.7900536
ADV1018173	8/15/2025	4.032	8/17/2026	103.85326	102.868552	101.9025594	100.9547525	100.0246204	99.11167119	98.2154313	97.3354443	96.47127028
ADV1018077	8/13/2025	3.783	8/13/2030	120.09573	114.7471898	109.6739314	104.8603045	100.2916307	95.95413699	91.83489524	87.92176606	84.20334667
ADV1017751	7/31/2025	4.519	9/17/2025	100.19825	100.1508672	100.1035481	100.0562897	100.0090922	99.9619552	99.91487872	99.86786261	99.82090674
ADV1017581	7/25/2025	3.997	7/26/2027	108.10552	106.1435958	104.2273929	102.355567	100.526826	98.73992348	96.9936577	95.28686894	93.61843809
ADV1017567	7/25/2025	4.381	1/26/2026	101.72977	101.3121556	100.8979483	100.4871052	100.0795857	99.67534944	99.27435686	98.87656905	98.48194768
ADV1017185	7/10/2025	4.272	4/10/2026	102.54862	101.927977	101.3148641	100.7091435	100.1106819	99.51934919	98.93501817	98.35756479	97.78686791
ADV1017809	8/1/2025	3.809	8/1/2030	120.11619	114.8013127	109.7582911	104.9717662	100.4273265	96.11144368	92.01141418	88.11530445	84.41190063
ADV1017030	7/2/2025	3.871	7/3/2028	111.84304	108.8701964	105.992721	103.2070497	100.5097702	97.89761533	95.36745668	92.91629741	90.54126618
ADV1017650	7/29/2025	4.302	3/30/2026	102.43646	101.8467273	101.2637829	100.6875149	100.1178091	99.55455375	98.99763979	98.4469605	97.90241158
ADV1018083	8/15/2025	4.189	2/17/2026	101.90344	101.424397	100.9498405	100.4797062	100.0139324	99.55245871	99.09522563	98.64217486	98.19324918
ADV1017746	7/31/2025	4.523	9/3/2025	100.03942	100.0310692	100.022727	100.0143924	100.0060652	99.99774557	99.98943336	99.9811286	99.97283128
ADV1017199	7/10/2025	4.241	5/11/2026	102.88577	102.1778976	101.4797907	100.7912457	100.1120666	99.44206286	98.78104921	98.12884517	97.48527516
ADV1018093	8/13/2025	4.532	9/15/2025	100.1739	100.1321694	100.0904904	100.0488627	100.0072861	99.96576072	99.92428628	99.88286275	99.84149002
ADV1018472	8/28/2025	4.448	9/30/2025	100.33511	100.251683	100.1683983	100.0852507	100.0022397	99.91936506	99.83662651	99.75402369	99.67155628
ADV1018166	8/15/2025	4.526	9/15/2025	100.17331	100.1315861	100.0899178	100.0483007	100.0067348	99.96522004	99.92375622	99.88234328	99.84098113
ADV1018540	8/29/2025	3.946	9/15/2026	104.11463	103.0475224	102.0023367	100.9784011	99.97507135	98.99172924	98.02778094	97.08265602	96.15580622
ADV1018549	8/29/2025	3.963	8/31/2026	103.94747	102.923243	101.9192277	100.9348288	99.96947513	99.02261749	98.09372766	97.18229736	96.28783733
ADV1017531	7/23/2025	4.383	1/23/2026	101.6941	101.2849724	100.879118	100.4764983	100.0770747	99.68080921	99.2876644	98.89760348	98.51059021
ADV1018459	8/27/2025	3.72	11/29/2027	109.01109	106.6868283	104.4241262	102.2208887	100.075112	97.98487739	95.94834744	93.96376111	92.02943014
ADV1018263	8/20/2025	4.307	12/10/2025	101.13321	100.8504506	100.569279	100.2896815	100.0116448	99.73515581	99.46020151	99.18676908	98.91484583
ADV1017894	8/5/2025	4.145	8/1/2031	124.50835	118.0479417	111.973871	106.260908	100.8855984	95.82612979	91.06220827	86.57494561	82.34675492
ADV1018195	8/18/2025	4.526	9/16/2025	100.18416	100.1396754	100.0952427	100.0508659	100.0065449	99.96227953	99.91806979	99.87391552	99.82981662
ADV1017121	7/8/2025	4.5	10/8/2025	100.4416	100.3351946	100.2290241	100.1230893	100.0173892	99.9119231	99.80669015	99.70168956	99.5969205
ADV1018012	8/11/2025	4.53	9/10/2025	100.11726	100.0894466	100.0616636	100.033911	100.0061887	99.97849666	99.95083479	99.92320306	99.89560141
ADV1018300	8/21/2025	3.847	8/21/2028	112.30463	109.1887549	106.1770903	103.2655739	100.4503222	97.72762497	95.09393624	92.5458663	90.08017368
ADV1017758	7/31/2025	4.435	1/30/2026	101.80072	101.3718423	100.9465469	100.5247903	100.1065287	99.69171886	99.28031816	98.87228482	98.46757769
ADV1017389	7/16/2025	4.536	9/16/2025	100.19023	100.1455562	100.100939	100.056378	100.011873	99.96742396	99.92303071	99.87869316	99.83441121
ADV1018178	8/15/2025	4.524	9/15/2025	100.17322	100.1315017	100.0898334	100.0482164	100.0066506	99.96513587	99.92367213	99.88225926	99.84089718
ADV1017204	7/10/2025	4.427	12/10/2025	101.17342	100.8891521	100.606478	100.3253864	100.045864	99.76789756	99.49147402	99.21658048	98.94320418

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017403	7/17/2025	4.515	10/16/2025	100.5357	100.406942	100.2785301	100.1504611	100.0227335	99.89534595	99.76829704	99.64158538	99.51520958
ADV1017092	7/7/2025	4.009	7/9/2029	116.53305	112.423129	108.4835347	104.7063103	101.0839167	97.60920368	94.27538794	91.07603229	88.00502626
ADV1017072	7/7/2025	4.499	10/7/2025	100.42996	100.3263455	100.2229581	100.1197936	100.0168512	99.91413017	99.81162977	99.70934926	99.60728789
ADV1018544	8/29/2025	4.496	9/19/2025	100.21482	100.1620463	100.1093447	100.0567138	100.0041535	99.95166348	99.89924376	99.84689414	99.79461449
ADV1018074	8/13/2025	4.531	9/15/2025	100.17386	100.1321271	100.0904481	100.0488204	100.007244	99.96571857	99.92424418	99.88282068	99.84144798
ADV1018528	8/29/2025	4.438	9/29/2025	100.32298	100.2423621	100.1618697	100.0815076	100.0012753	99.92117269	99.84119933	99.76135497	99.68163929
ADV1018491	8/28/2025	4.223	1/28/2026	101.68314	101.2617903	100.8439192	100.4294839	100.0184423	99.61075283	99.20637461	98.80526748	98.40739189
ADV1017186	7/10/2025	4.248	5/11/2026	102.89069	102.1827997	101.4846738	100.7961099	100.116912	99.44688983	98.78585782	98.13363561	97.49004759
ADV1018126	8/14/2025	4.028	8/14/2026	103.81377	102.8376236	101.8798783	100.9400142	100.0175333	99.11195575	98.2228194	97.34967871	96.49210418
ADV1018047	8/12/2025	4.373	11/12/2025	100.82318	100.6190929	100.415838	100.2134146	100.0118175	99.81104168	99.61108198	99.4119334	99.21359092
ADV1018106	8/13/2025	4.33	12/3/2025	101.0574	100.7941734	100.5323106	100.2718053	100.012647	99.75482525	99.49832975	99.24315025	98.98927663
ADV1018140	8/14/2025	4.212	8/1/2035	121.71393	115.8414563	110.3698533	105.2670813	100.5039422	96.05380603	91.89236569	87.99741767	84.34866431
ADV1017992	8/8/2025	4.534	9/8/2025	100.09511	100.0728509	100.0506193	100.0284107	100.0062252	99.98406267	99.96192306	99.93980635	99.91771249
ADV1018460	8/27/2025	4.515	9/15/2025	100.17081	100.1291496	100.0875441	100.0459898	100.0044867	99.96303448	99.92163322	99.88028276	99.83898301
ADV1018452	8/27/2025	4.422	10/27/2025	100.64342	100.4845553	100.3261937	100.1683364	100.0109809	99.85412489	99.69776594	99.5419017	99.38652982
ADV1017495	7/22/2025	3.914	7/24/2028	112.04239	109.0118407	106.080199	103.2437012	100.498749	97.84189976	95.26985984	92.77947666	90.36773207
ADV1018409	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1018039	8/12/2025	4.129	5/12/2026	102.81803	102.1076413	101.4070915	100.7161756	100.0346957	99.36245888	98.69927777	98.0449699	97.3993577
ADV1017831	8/4/2025	4.034	8/4/2026	103.70244	102.7547626	101.8244341	100.9109825	100.0139511	99.13289952	98.26740314	97.41705217	96.58145115
ADV1018336	8/22/2025	4.505	9/22/2025	100.2504	100.1892247	100.1281352	100.0671326	100.0062168	99.94538772	99.88464504	99.82398862	99.76341828
ADV1017212	7/10/2025	4.424	12/22/2025	101.31859	101.0001817	100.6837717	100.3693374	100.0568602	99.74632175	99.43770411	99.13098938	98.82615993
ADV1018316	8/21/2025	3.778	8/21/2028	112.31867	109.1974192	106.1806681	103.2643393	100.444535	97.71753126	95.07976951	92.52784795	90.05851377
ADV1018212	8/18/2025	4.524	9/18/2025	100.2068	100.156739	100.1067451	100.0568169	100.0069542	99.9571569	99.90742489	99.85775803	99.80815618
ADV1018534	8/29/2025	4.496	9/19/2025	100.21482	100.1620463	100.1093447	100.0567138	100.0041535	99.95166348	99.89924376	99.84689414	99.79461449
ADV1017192	7/10/2025	4.431	12/10/2025	101.17455	100.8902762	100.6075974	100.3265011	100.046974	99.76900296	99.4925748	99.21767668	98.94429582
ADV1017198	7/10/2025	4.266	4/10/2026	102.54492	101.9242877	101.3111876	100.7054798	100.1070308	99.51571054	98.9313919	98.3539508	97.78326609
ADV1017876	8/5/2025	3.829	8/5/2027	107.90182	105.9144781	103.9740579	102.0791638	100.2284526	98.42062971	96.65444718	94.92870156	93.24223202
ADV1017820	8/4/2025	4.537	9/3/2025	100.03886	100.0305176	100.0221796	100.013849	100.0055259	99.99721032	99.98890217	99.98060147	99.97230821
ADV1018375	8/25/2025	4.5	9/25/2025	100.28347	100.2139614	100.1445529	100.075249	100.0060495	99.93695406	99.86796257	99.79907475	99.73029038
ADV1018527	8/29/2025	4.438	9/29/2025	100.32298	100.2423621	100.1618697	100.0815076	100.0012753	99.92117269	99.84119933	99.76135497	99.68163929
ADV1018040	8/12/2025	4.047	8/12/2026	103.80876	102.8382156	101.8858609	100.9511868	100.0337035	99.13293919	98.24843918	97.37976519	96.52649453
ADV1017852	8/4/2025	4.01	8/4/2028	112.60761	109.5346022	106.5628438	103.6884482	100.9076963	98.21703221	95.61305518	93.09251177	90.65228869
ADV1018180	8/15/2025	3.833	8/15/2028	112.19827	109.1007062	106.1062255	103.210829	100.4106939	97.70216752	95.08175775	92.54612557	90.09207723

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018530	8/29/2025	4.438	9/29/2025	100.32298	100.2423621	100.1618697	100.0815076	100.0012753	99.92117269	99.84119933	99.76135497	99.68163929
ADV1017248	7/11/2025	4.513	9/11/2025	100.13338	100.102664	100.0719827	100.0413358	100.0107231	99.98014474	99.94960052	99.91909042	99.88861438
ADV1017343	7/15/2025	4.267	6/15/2026	103.31576	102.5089106	101.7146908	100.9328093	100.1629797	99.40492427	98.65837402	97.92306798	97.19875303
ADV1017209	7/10/2025	4.5	9/10/2025	100.12184	100.0939121	100.0660191	100.0381566	100.0103246	99.98252283	99.95475142	99.92701027	99.89929931
ADV1017577	7/25/2025	4	1/25/2027	105.91288	104.4808205	103.0752556	101.6955104	100.3409345	99.01089898	97.70479549	96.42203528	95.16204853
ADV1017867	8/5/2025	4.378	8/7/2034	135.1848	125.1847603	116.0378568	107.6659584	99.99849284	92.97168036	86.52784735	80.61481255	75.18533777
ADV1018319	8/21/2025	4.06	8/21/2026	103.92729	102.9310347	101.953923	100.9954064	100.054957	99.13206675	98.22624649	97.33702512	96.46394873
ADV1018088	8/13/2025	3.756	8/14/2028	111.95606	108.8649247	105.876605	102.9871104	100.1926313	97.48952676	94.87431635	92.34367179	89.89440954
ADV1017328	7/15/2025	4.517	10/15/2025	100.52454	100.3985579	100.2729102	100.1475914	100.0226003	99.8979354	99.77359553	99.64957932	99.52588547
ADV1017796	8/1/2025	3.756	8/1/2028	112.03817	108.9770013	106.0166065	103.1531205	100.3828471	97.70225148	95.10795307	92.5967174	90.16544915
ADV1017834	8/4/2025	4.001	9/4/2026	104.03957	103.0036462	101.9883941	100.993195	100.0174585	99.06061706	98.12212521	97.20145815	96.298111
ADV1017451	7/21/2025	3.939	1/21/2027	105.77868	104.3585341	102.9644767	101.5958543	100.2520304	98.93238941	97.63633567	96.36329261	95.11270205
ADV1017987	8/8/2025	4.534	9/8/2025	100.09511	100.0728509	100.0506193	100.0284107	100.0062252	99.98406267	99.96192306	99.93980635	99.91771249
ADV1018498	8/28/2025	4.043	7/28/2026	103.62498	102.6971742	101.7860055	100.891032	100.0118243	99.14796811	98.29906352	97.46472443	96.64457793
ADV1018110	8/13/2025	3.755	8/14/2028	111.95305	108.861965	105.8736894	102.9842379	100.1898007	97.48673712	94.87156664	92.34096105	89.89173684
ADV1017147	7/9/2025	3.978	7/9/2027	107.86308	105.9502293	104.0809902	102.2541094	100.4683801	98.72263773	97.01575795	95.3466551	93.71428059
ADV1017731	7/31/2025	4.52	9/18/2025	100.20964	100.1594717	100.1093655	100.059325	100.0093502	99.95944102	99.90959723	99.85981873	99.81010538
ADV1017873	8/5/2025	3.822	8/6/2029	116.09673	111.9167965	107.9133387	104.0779626	100.4027206	96.88008266	93.50291248	90.26444472	87.15826372
ADV1017290	7/14/2025	4.224	6/15/2026	103.28136	102.474662	101.6805919	100.8988584	100.1291751	99.37126447	98.62485746	97.88969313	97.16551838
ADV1018522	8/29/2025	4.436	9/29/2025	100.32282	100.242201	100.1617088	100.0813468	100.0011147	99.92101217	99.84103895	99.76119473	99.68147919
ADV1017725	7/31/2025	4.521	9/18/2025	100.2097	100.1595228	100.1094165	100.0593759	100.0094011	99.95949183	99.90964798	99.85986941	99.81015599
ADV1017806	8/1/2025	4.541	9/2/2025	100.02801	100.0224414	100.016881	100.0113254	100.0057747	100.0002287	99.99468765	99.98915138	99.98361992
ADV1018395	8/25/2025	4.365	11/25/2025	100.97057	100.7302316	100.4910453	100.252998	100.0160816	99.78028804	99.5456093	99.3120375	99.0795648
ADV1018493	8/28/2025	4.125	3/30/2026	102.33278	101.7433894	101.1607878	100.5848597	100.015491	99.45257011	98.89598786	98.34563761	97.80141511
ADV1018334	8/22/2025	4.082	6/22/2026	103.24638	102.4203933	101.6076454	100.8078211	100.0206135	99.24572538	98.4828688	97.73176473	96.99214272
ADV1018424	8/26/2025	3.735	5/26/2028	111.03055	108.1773447	105.4128851	102.7338202	100.1369517	97.61922569	95.17772466	92.80966049	90.51236748
ADV1017283	7/14/2025	4.515	9/15/2025	100.17827	100.1363805	100.094546	100.0527629	100.0110313	99.96935089	99.9277217	99.8861436	99.84461648
ADV1017296	7/15/2025	3.965	7/17/2028	112.26985	109.2518624	106.3318304	103.5060453	100.7709619	98.12318782	95.55947631	93.0767191	90.67193968
ADV1017933	8/6/2025	4.355	11/26/2025	100.98275	100.739052	100.4965304	100.2551753	100.0149783	99.77593099	99.53802519	99.30125273	99.06560551
ADV1017340	7/15/2025	4.518	10/15/2025	100.52466	100.3986843	100.2730362	100.1477171	100.0227257	99.89806049	99.7737203	99.64970378	99.52600961
ADV1017206	7/10/2025	4.5	9/10/2025	100.12184	100.0939121	100.0660191	100.0381566	100.0103246	99.98252283	99.95475142	99.92701027	99.89929931
ADV1017797	8/1/2025	3.854	9/1/2027	108.26817	106.2027645	104.1877867	102.2216881	100.3029756	98.43021225	96.60201461	94.81705064	93.07403722
ADV1016981	7/1/2025	3.882	1/4/2027	105.50047	104.128721	102.7814314	101.4580036	100.1578576	98.88043193	97.62518253	96.39158245	95.179121

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017682	7/30/2025	4.193	7/30/2026	103.78628	102.8521055	101.9347806	101.0338486	100.1488726	99.27943112	98.42511739	97.58553874	96.76031601
ADV1017171	7/10/2025	4.106	7/10/2026	103.53742	102.6592379	101.7959825	100.9472785	100.1127599	99.29207244	98.48487389	97.69083311	96.90962977
ADV1018143	8/14/2025	3.825	12/18/2028	113.5587	110.0854263	106.7383109	103.5120659	100.4016528	97.40227334	94.50935604	91.71854442	89.02568536
ADV1017493	7/22/2025	4.513	10/22/2025	100.60506	100.4595227	100.3144171	100.1697413	100.0254933	99.88167119	99.73827305	99.59529697	99.45274107
ADV1018456	8/27/2025	4.304	12/17/2025	101.21413	100.9118323	100.6113477	100.3126611	100.0157563	99.7206172	99.42722807	99.13557327	98.84563736
ADV1017837	8/4/2025	3.832	8/4/2028	111.92135	108.8621667	105.9037849	103.0423349	100.2741153	97.59558714	95.00336551	92.49421221	90.06502845
ADV1017932	8/6/2025	4.375	11/6/2025	100.75465	100.5672971	100.3806418	100.1946846	100.0094216	99.82484875	99.64096222	99.45775815	99.2752327
ADV1017951	8/7/2025	3.83	8/7/2029	116.13895	111.9553516	107.948486	104.1099441	100.4317617	96.90639352	93.52668909	90.2858698	87.17750769
ADV1017700	7/30/2025	4.021	7/30/2027	108.20035	106.2265166	104.2989068	102.4161608	100.5769654	98.78005485	97.02420843	95.30824857	93.6310391
ADV1017762	7/31/2025	4.433	1/30/2026	101.79988	101.3710006	100.9457093	100.523957	100.1056996	99.69089379	99.27949718	98.8714679	98.46676479
ADV1018108	8/13/2025	3.798	8/13/2027	107.93226	105.9226018	103.9608828	102.0456632	100.1755565	98.34922702	96.56538749	94.82279725	93.12026005
ADV1017612	7/28/2025	4.201	7/28/2026	103.77015	102.8416214	101.9297388	101.0340604	100.1541564	99.28961251	98.44002861	97.60501841	96.78420884
ADV1018382	8/25/2025	4.5	9/25/2025	100.28347	100.2139614	100.1445529	100.075249	100.0060495	99.93695406	99.86796257	99.79907475	99.73029038
ADV1018495	8/28/2025	4.085	5/28/2026	102.96348	102.2081358	101.4638894	100.7304949	100.0077158	99.29532285	98.59309308	97.90080994	97.21826302
ADV1018538	8/29/2025	3.96	8/31/2026	103.94443	102.92022	101.9162211	100.9318383	99.96650046	99.01965848	98.09078411	97.17936907	96.2849241
ADV1018013	8/11/2025	4.448	10/14/2025	100.49982	100.3770806	100.2546555	100.1325445	100.0107462	99.88925942	99.76808298	99.64721561	99.52665607
ADV1017610	8/7/2025	4.572	9/8/2025	100.09616	100.0738975	100.0516624	100.0294503	100.0072612	99.98509514	99.96295201	99.94083178	99.91873441
ADV1017205	7/10/2025	4.502	9/10/2025	100.1219	100.0939715	100.0660784	100.0382158	100.0103836	99.98258183	99.95481032	99.92706907	99.89935802
ADV1017240	7/11/2025	3.994	7/12/2027	107.92976	106.0080292	104.1302791	102.2952447	100.5017044	98.74847903	97.03443082	95.35846109	93.71950889
ADV1017981	8/8/2025	4.05	8/10/2026	103.7884	102.8235591	101.8766925	100.9473047	100.0349143	99.13905745	98.25928701	97.39517189	96.54629626
ADV1018333	8/22/2025	4.38	11/24/2025	100.96296	100.7253496	100.4888602	100.2534855	100.0192177	99.78604905	99.55397167	99.32297795	99.09306027
ADV1018494	8/28/2025	4.107	4/28/2026	102.64266	101.9717886	101.3096916	100.6561991	100.0111439	99.37436353	98.74569924	98.12499655	97.5121048
ADV1017093	7/7/2025	4.065	7/8/2030	120.77679	115.5254182	110.5388153	105.8022241	101.3017874	97.02448586	92.95808294	89.09107408	85.41263926
ADV1018550	8/29/2025	4.439	9/29/2025	100.32307	100.2424426	100.1619502	100.081588	100.0013557	99.92125294	99.84127952	99.76143509	99.68171934
ADV1017649	7/29/2025	4.393	1/29/2026	101.77097	101.3449458	100.9224567	100.5034623	100.0879195	99.67578587	99.26701955	98.86157948	98.45942522
ADV1017964	8/7/2025	4.253	2/9/2026	101.84051	101.3837823	100.9311292	100.4824979	100.0378349	99.59708774	99.16020473	98.72713519	98.29782929
ADV1017790	8/1/2025	3.888	8/1/2029	116.30753	112.1375173	108.1429455	104.3154985	100.6473006	97.13088867	93.75918843	90.52549206	87.42343723
ADV1018171	8/15/2025	4.525	9/15/2025	100.17326	100.1315439	100.0898756	100.0482586	100.0066927	99.96517795	99.92371417	99.88230127	99.84093916
ADV1018423	8/26/2025	3.861	2/26/2027	106.01379	104.4878254	102.991781	101.5248498	100.0862554	98.67524878	97.29110657	95.93313033	94.60064536
ADV1018521	8/29/2025	4.431	9/30/2025	100.33352	100.2501123	100.1668391	100.0837029	100.0007034	99.91784025	99.83511312	99.75252171	99.67006568
ADV1017826	8/4/2025	3.897	2/4/2027	105.78935	104.3314849	102.9010529	101.4973459	100.1196795	98.76739231	97.43984492	96.13641887	94.85651589
ADV1018543	8/29/2025	4.508	9/3/2025	100.03431	100.0259953	100.0176834	100.0093791	100.0010821	99.99279267	99.98451063	99.97623602	99.96796882
ADV1018429	8/26/2025	4.52	9/2/2025	100.02357	100.018026	100.012483	100.0069449	100.0014116	99.99588317	99.99035951	99.98484065	99.97932659

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017660	7/29/2025	4.463	12/22/2025	101.32785	101.0101213	100.6943864	100.3806229	100.0688123	99.75893642	99.4509772	99.14491684	98.84073774
ADV1018051	8/12/2025	4.526	9/12/2025	100.13971	100.1063338	100.0729938	100.039692	100.0064285	99.97320302	99.94001563	99.90686622	99.87375473
ADV1017600	7/28/2025	4.514	10/28/2025	100.67468	100.5123782	100.3506037	100.1893513	100.0286184	99.86840245	99.70870108	99.54951176	99.39083204
ADV1018310	8/21/2025	4.279	1/21/2026	101.62368	101.2218405	100.8231766	100.427649	100.0352206	99.64585518	99.25951679	98.87617018	98.49578062
ADV1018129	8/14/2025	3.917	8/14/2030	120.39723	115.0505187	109.9786841	105.1661091	100.5981468	96.26105365	92.14192838	88.22865653	84.50985826
ADV1018373	8/25/2025	4.499	9/25/2025	100.28341	100.2138918	100.1444834	100.0751795	100.0059801	99.93688471	99.86789328	99.79900552	99.7302212
ADV1017286	7/14/2025	4.51	9/25/2025	100.29122	100.2213432	100.1515703	100.0819026	100.0123397	99.94288157	99.87352787	99.8042784	99.73513291
ADV1018554	8/29/2025	4.455	9/26/2025	100.29085	100.2185848	100.1464333	100.0743925	100.0024622	99.93064213	99.85893205	99.78733171	99.71584086
ADV1018111	8/13/2025	3.865	8/13/2030	120.12541	114.7882684	109.7254623	104.9214128	100.3615066	96.03203088	91.92011309	88.01366533	84.30133244
ADV1018127	8/14/2025	4.212	2/17/2026	101.91446	101.4353039	100.9606379	100.4903951	100.0245138	99.56293357	99.10559494	98.6524396	98.20341029
ADV1017492	7/22/2025	4.223	6/22/2026	103.36188	102.5353753	101.7221142	100.9217825	100.1340732	99.35868884	98.5953415	97.84375201	97.10364984
ADV1017516	7/23/2025	4.089	7/23/2026	103.67404	102.7589878	101.8601202	100.9770123	100.1092517	99.25644037	98.4181938	97.59414068	96.78392222
ADV1018003	8/11/2025	3.852	8/12/2030	120.43551	115.0814055	110.0026114	105.1834858	100.6093589	96.26646539	92.14188355	88.22347963	84.49985564
ADV1018107	8/13/2025	3.991	8/13/2026	103.76624	102.7931381	101.8383234	100.9012863	99.98153304	99.0785878	98.19199224	97.32130452	96.46609862
ADV1017490	7/22/2025	4.297	4/23/2026	102.71253	102.0552473	101.4063916	100.7658023	100.1333221	99.50879735	98.89207848	98.28301956	97.68147831
ADV1018535	8/29/2025	4.505	9/5/2025	100.05692	100.0430507	100.0291957	100.0153538	100.0015252	99.9877097	99.97390739	99.96011821	99.94634215
ADV1017871	8/5/2025	3.866	8/5/2030	120.0572	114.7444333	109.7036491	104.9194678	100.3774565	96.06406815	91.96658222	88.07305032	84.3722454
ADV1017075	7/7/2025	3.989	7/7/2027	107.85938	105.9520607	104.0881145	102.266296	100.4854081	98.74429564	97.04184301	95.37697303	93.74864518
ADV1017701	7/30/2025	3.977	7/31/2028	112.4603	109.4005937	106.4413671	103.5787756	100.809141	98.12894555	95.53482443	93.02355814	90.5920653
ADV1018193	8/18/2025	3.995	10/5/2026	104.41861	103.2936677	102.1930131	101.1158671	100.0614816	99.02913995	98.01815516	97.02786869	96.05764883
ADV1017123	7/8/2025	4.298	4/8/2026	102.54184	101.9267703	101.3190967	100.7186835	100.1254012	99.53912283	98.9597248	98.38708626	97.82108918
ADV1017289	7/14/2025	4.274	4/16/2026	102.6181	101.9805663	101.350978	100.7291822	100.1150348	99.50839472	98.9091248	98.31709097	97.73216247
ADV1018181	8/15/2025	4.521	9/18/2025	100.20716	100.1570769	100.1070643	100.0571175	100.0072362	99.9574204	99.90766986	99.85798449	99.80836415
ADV1018417	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1017074	7/7/2025	4.059	1/7/2027	105.68028	104.300587	102.9456026	101.6147222	100.3073574	99.02293838	97.76091327	96.52074752	95.30192318
ADV1018374	8/25/2025	4.5	9/25/2025	100.28347	100.2139614	100.1445529	100.075249	100.0060495	99.93695406	99.86796257	99.79907475	99.73029038
ADV1017866	8/5/2025	3.749	8/5/2027	107.88657	105.8967604	103.9539767	102.0568189	100.2039397	98.39404056	96.62586987	94.89822055	93.2099284
ADV1018553	8/29/2025	4.512	9/12/2025	100.13635	100.1030404	100.0697715	100.0365408	100.0033482	99.9701937	99.93707715	99.90399849	99.87095767
ADV1017202	7/10/2025	4.021	3/10/2027	106.40887	104.8463713	103.3148995	101.813607	100.3416731	98.89830663	97.48274439	96.09424995	94.73211244
ADV1017189	7/10/2025	4.502	9/10/2025	100.1219	100.0939715	100.0660784	100.0382158	100.0103836	99.98258183	99.95481032	99.92706907	99.89935802
ADV1018526	8/29/2025	4.433	9/30/2025	100.33369	100.2502789	100.1670056	100.0838692	100.0008696	99.91800627	99.83527899	99.75268743	99.67023126
ADV1017659	7/29/2025	3.959	7/29/2027	108.0682	106.0984099	104.1747014	102.2957156	100.4601452	98.66672995	96.91425415	95.20154524	93.52747177
ADV1018172	8/15/2025	4.525	9/15/2025	100.17326	100.1315439	100.0898756	100.0482586	100.0066927	99.96517795	99.92371417	99.88230127	99.84093916

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018397	8/25/2025	4.504	9/24/2025	100.27245	100.2057213	100.1390937	100.0725646	100.0061338	99.93980124	99.87356656	99.80742959	99.74139011
ADV1018203	8/18/2025	3.886	8/18/2027	108.1651	106.1393139	104.1621503	102.2321405	100.3478692	98.50797338	96.7111401	94.95610402	93.24164546
ADV1017090	7/7/2025	3.989	7/7/2027	107.85938	105.9520607	104.0881145	102.266296	100.4854081	98.74429564	97.04184301	95.37697303	93.74864518
ADV1018471	8/28/2025	4.455	9/29/2025	100.32452	100.2438864	100.163383	100.0830098	100.0027664	99.92265274	99.84266836	99.76281299	99.68308633
ADV1017782	8/1/2025	4.52	9/18/2025	100.20947	100.1593087	100.1092087	100.0591745	100.0092059	99.95930296	99.90946539	99.8596931	99.80998595
ADV1017882	8/5/2025	4.547	9/5/2025	100.06164	100.0477294	100.0338323	100.0199484	100.0060778	99.99222036	99.97837614	99.96454508	99.95072718
ADV1017800	8/1/2025	4.54	9/4/2025	100.05082	100.0396833	100.0285609	100.0174488	100.006347	99.9952554	99.98417409	99.97310303	99.96204218
ADV1017267	7/14/2025	4.344	2/12/2026	101.92133	101.4544779	100.9918714	100.5334515	100.0791615	99.6289457	99.18274938	98.74051883	98.30220129
ADV1017236	7/11/2025	4.509	9/3/2025	100.04271	100.0343378	100.025975	100.0176197	100.0092719	100.0009315	99.99259871	99.98427334	99.97595543
ADV1017584	7/25/2025	4.501	10/27/2025	100.66135	100.5018132	100.3427821	100.1842573	100.0262365	99.86871726	99.71169721	99.55517396	99.39914516
ADV1018531	8/29/2025	4.433	9/30/2025	100.33369	100.2502789	100.1670056	100.0838692	100.0008696	99.91800627	99.83527899	99.75268743	99.67023126
ADV1017651	7/29/2025	4.202	7/29/2026	103.78299	102.8516096	101.9369742	101.0386378	100.156167	99.28914378	98.43716484	97.59984064	96.77679507
ADV1018407	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1017990	8/8/2025	3.837	8/8/2028	112.13536	109.0582436	106.0829232	103.2054735	100.4221419	97.72934113	95.12364079	92.60175988	90.16055925
ADV1017695	7/30/2025	4.539	9/29/2025	100.33618	100.2552422	100.1744396	100.0937677	100.0132262	99.93281474	99.85253311	99.77238096	99.69235801
ADV1018277	8/20/2025	4.511	9/17/2025	100.19448	100.1472167	100.100016	100.0528759	100.0057964	99.95877733	99.91181862	99.86492012	99.81808173
ADV1017530	7/23/2025	3.897	7/23/2027	108.01573	106.0603826	104.1504686	102.2846629	100.4616845	98.68029847	96.93931325	95.23757922	93.57398677
ADV1017925	8/6/2025	4.381	11/6/2025	100.75578	100.5684156	100.3817575	100.1957976	100.0105317	99.82595606	99.64206674	99.45885989	99.27633167
ADV1017177	7/10/2025	3.925	7/10/2029	116.50886	112.3886252	108.4394566	104.6533509	101.022724	97.54038398	94.19950854	90.99362402	87.91658589
ADV1018348	8/22/2025	4.503	9/22/2025	100.25028	100.189102	100.1280125	100.06701	100.0060944	99.94526538	99.88452281	99.82386649	99.76329625
ADV1018219	8/18/2025	4.202	2/18/2026	101.92076	101.4389883	100.9617546	100.4889933	100.0206416	99.55663805	99.09692218	98.64143476	98.19011759
ADV1018023	8/11/2025	4.53	9/11/2025	100.12864	100.0980418	100.0674784	100.0369492	100.0064542	99.97599325	99.94556637	99.91517348	99.88481452
ADV1018232	8/19/2025	3.817	8/21/2028	112.21434	109.0998385	106.0895138	103.1793034	100.3653251	97.64386966	95.01139215	92.46450386	89.99996428
ADV1017432	7/18/2025	4.511	10/20/2025	100.58196	100.4419749	100.3023938	100.163213	100.0244308	99.88604535	99.74805495	99.61045787	99.47325241
ADV1016978	7/1/2025	4.463	10/1/2025	100.35755	100.270725	100.184048	100.0975206	100.0111426	99.92491353	99.83883298	99.75290059	99.66711598
ADV1017120	7/8/2025	3.989	6/16/2028	111.98474	109.0583645	106.2245136	103.4797164	100.8206515	98.24414339	95.7471542	93.32677736	90.98023075
ADV1017119	7/8/2025	4.334	3/9/2026	102.21574	101.6765709	101.1430327	100.6150407	100.0925087	99.57535232	99.06348883	98.55683724	98.05531818
ADV1018296	8/21/2025	4.37	11/21/2025	100.92586	100.6966709	100.4685342	100.2414392	100.0153787	99.79034571	99.56633311	99.34333395	99.12134131
ADV1017220	7/10/2025	4.212	6/10/2026	103.21383	102.4213202	101.6410076	100.872612	100.1158613	99.37049185	98.63624795	97.9128814	97.20015137
ADV1018271	8/20/2025	4.431	10/20/2025	100.56537	100.4259766	100.2869847	100.1483914	100.010195	99.87239365	99.7349857	99.59796941	99.46134308
ADV1017301	7/14/2025	4.192	7/14/2026	103.59763	102.7088704	101.8353999	100.9768246	100.132765	99.30285478	98.48673962	97.68407705	96.89453586
ADV1018443	8/27/2025	4.492	9/26/2025	100.29386	100.221573	100.1494014	100.0773407	100.0053904	99.93355045	99.86182048	99.79020028	99.7186896
ADV1018136	8/14/2025	4.525	9/18/2025	100.20753	100.1574422	100.1074233	100.05747	100.0075823	99.95776003	99.90800308	99.8583113	99.80868456

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017450	7/21/2025	4.517	10/21/2025	100.59406	100.4513118	100.3089838	100.1670708	100.0255708	99.884482	99.74380261	99.6035308	99.46366477
ADV1018478	8/28/2025	4.513	9/4/2025	100.04586	100.03477	100.0236854	100.012611	100.0015468	99.99049294	99.97944926	99.96841579	99.9573925
ADV1017088	7/7/2025	4.196	7/7/2026	103.51895	102.6500427	101.7957581	100.9557245	100.1295872	99.31700291	98.51763957	97.73117599	96.95730127
ADV1017295	7/14/2025	4.057	1/14/2027	105.7611	104.3617476	102.9877711	101.6385392	100.3134401	99.01188228	97.73329276	96.47711685	95.24281729
ADV1017029	7/2/2025	3.899	7/2/2027	107.63124	105.7398564	103.8912038	102.0840665	100.3172729	98.58969161	96.90023015	95.24783319	93.63148112
ADV1018303	8/21/2025	4.52	9/15/2025	100.17203	100.1303457	100.0887088	100.0471232	100.0055887	99.96410526	99.92267277	99.88129113	99.83996023
ADV1018391	8/25/2025	4.511	9/2/2025	100.02369	100.0181449	100.0126013	100.0070625	100.0015286	99.9959994	99.99047506	99.98495551	99.97944077
ADV1017683	7/30/2025	4.5	10/28/2025	100.67208	100.5098244	100.3480956	100.1868888	100.0262012	99.86603061	99.70637435	99.54723001	99.38859512
ADV1018490	8/28/2025	4.503	9/10/2025	100.1136	100.0858484	100.0581249	100.0304317	100.0027688	99.97513601	99.94753337	99.91996079	99.89241823
ADV1017207	7/10/2025	4.5	9/10/2025	100.12184	100.0939121	100.0660191	100.0381566	100.0103246	99.98252283	99.95475142	99.92701027	99.89929931
ADV1018283	8/20/2025	3.954	8/20/2026	103.8805	102.8862923	101.9111544	100.9545401	100.0159244	99.09480207	98.19068675	97.30310988	96.43162004
ADV1018487	8/28/2025	4.511	9/18/2025	100.20445	100.1544563	100.1045254	100.05466	100.0048602	99.95512559	99.90545621	99.8558519	99.80631251
ADV1017535	7/23/2025	4.514	10/23/2025	100.61678	100.4684528	100.3205681	100.1731282	100.026131	99.87957443	99.7334566	99.58777548	99.44252909
ADV1017720	7/31/2025	4.522	9/11/2025	100.13026	100.0996241	100.0690188	100.0384478	100.007911	99.97740833	99.94693978	99.91650527	99.88610473
ADV1018335	8/22/2025	4.504	9/22/2025	100.25034	100.1891633	100.1280738	100.0670713	100.0061556	99.94532655	99.88458392	99.82392756	99.76335727
ADV1018408	8/26/2025	4.493	9/26/2025	100.29409	100.2218034	100.1496228	100.077553	100.0055938	99.93374478	99.86200583	99.79037666	99.71885703
ADV1017502	7/22/2025	4.162	7/22/2026	103.66458	102.7532387	101.8579608	100.978321	100.1139115	99.26433879	98.42922256	97.60819559	96.80090296
ADV1017890	8/5/2025	4.134	5/5/2026	102.74333	102.0526685	101.3713049	100.6990532	100.0357312	99.3811617	98.73517205	98.09759416	97.46826428
ADV1018009	8/11/2025	4.53	9/11/2025	100.12864	100.0980418	100.0674784	100.0369492	100.0064542	99.97599325	99.94556637	99.91517348	99.88481452
ADV1018426	8/26/2025	3.778	5/25/2029	115.13669	111.1824801	107.38778	103.7452146	100.2477947	96.88889685	93.66224164	90.56187349	87.58214172
ADV1018442	8/27/2025	4.351	11/28/2025	101.00165	100.7529317	100.5054379	100.2591578	100.0140824	99.77020307	99.52751096	99.28599746	99.04565402
ADV1018133	8/14/2025	3.855	8/16/2027	108.08028	106.0608711	104.0898088	102.1656394	100.2869592	98.45241615	96.66070751	94.91057782	93.20081677
ADV1017269	7/14/2025	4.118	9/17/2026	104.32383	103.2498887	102.1981196	101.1678375	100.1583877	99.16914218	98.1994978	97.24887526	96.31671791
ADV1018269	8/20/2025	4.423	10/23/2025	100.59874	100.4509444	100.3035967	100.156692	100.0102285	99.86420412	99.71861681	99.57346463	99.4287456
ADV1018500	8/28/2025	4.333	11/28/2025	100.99704	100.7483674	100.5009145	100.254675	100.0096401	99.76580097	99.52314891	99.28167526	99.04137148
ADV1018306	8/21/2025	4.515	9/5/2025	100.05843	100.0445448	100.0306759	100.0168201	100.0029776	99.98914824	99.97533207	99.96152904	99.94773914
ADV1017799	8/1/2025	3.848	10/1/2027	108.6167	106.4622429	104.3617581	102.3135261	100.3158961	98.36728233	96.46616044	94.61106513	92.80058713
ADV1018139	8/14/2025	4.142	5/14/2026	102.84944	102.1333817	101.4273162	100.7310355	100.0443366	99.36702249	98.6989013	98.03978644	97.38949631
ADV1017808	8/1/2025	3.835	8/2/2027	107.87898	105.9001254	103.9678118	102.0806591	100.2373404	98.43657642	96.6771338	94.95782297	93.27749632
ADV1017101	7/7/2025	4.483	10/29/2025	100.68473	100.5192071	100.3542227	100.1897777	100.0258694	99.86249527	99.69965263	99.53733894	99.37555163
ADV1017249	7/11/2025	4.514	10/10/2025	100.4661	100.3541094	100.2423841	100.1309202	100.0197169	99.9087732	99.79808811	99.6876607	99.57749004
ADV1017184	7/10/2025	4.311	3/10/2026	102.21496	101.6731145	101.1369577	100.606404	100.0813658	99.56175746	99.04749491	98.53849591	98.03467992
130416A00025	4/16/2013	2.27	4/18/2028	100.159	100.0756957	99.92355433	99.19350675	98.02354369	96.74974019	95.49360234	94.26547281	93.06460095

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
151223A00007	12/23/2015	3.76	12/23/2030	100.26985	100.1939543	100.1107479	99.88935008	98.3399721	95.21639666	91.3912675	87.58781274	83.97471781
161012A00020	10/11/2016	2.96	10/14/2031	100.21648	100.1331306	99.94936335	98.39359477	94.98583156	90.71928777	86.4282789	82.36421544	78.53622061
170515A00052	5/15/2017	3.78	5/15/2042	100.2846	100.2006492	100.0166149	98.03031767	93.49320634	87.77203953	82.06601914	76.81242419	72.05600931
170519A00006	5/19/2017	3	5/19/2032	100.21981	100.1364602	100.0395185	99.31832859	97.22415356	94.40212028	91.50350479	88.72313922	86.06995109
170705A00037	7/5/2017	2.85	7/6/2032	105.23262	103.4387771	101.511524	99.21133838	96.38130715	93.22488427	90.09002404	87.09828439	84.25077128
170802A00074	8/2/2017	2.92	8/2/2027	99.99406	99.99141533	99.9887717	99.62445384	98.44258502	96.85433543	95.21084715	93.60201674	92.0299315
170809A00042	8/9/2017	2.35	8/9/2027	100.16566	100.0823548	99.96128872	99.4029994	98.50019224	97.52533947	96.56187214	95.61643727	94.68859227
171004A00022	10/4/2017	2.74	10/4/2027	100.19815	100.114818	100.0225595	99.53041058	98.25042302	96.58882048	94.88900676	93.22788868	91.60647844
171005A00047	10/5/2017	3.29	10/5/2032	100.24397	100.1605995	100.0538167	99.08526997	96.21826715	92.27533629	88.17897514	84.28606811	80.62733763
180105A00005	1/5/2018	3.07	1/5/2028	100.22565	100.1422869	100.0590662	99.84826024	99.07844095	97.98219441	96.82769778	95.69366324	94.58318079
180105A00006	1/5/2018	3.07	1/5/2028	100.22565	100.1422869	100.0590662	99.84826024	99.07844096	97.98219441	96.82769778	95.69366324	94.58318079
180130A00087	1/30/2018	2.92	1/31/2028	100.21315	100.129801	100.0465908	99.76573513	98.91825449	97.79749602	96.64144237	95.5076979	94.397563
180302A00003	3/2/2018	3.89	3/2/2033	100.29396	100.2105428	100.1272655	99.74733104	97.53701819	93.54762373	88.89539153	84.35514059	80.10743747
180315A00030	3/15/2018	3.76	3/15/2033	100.00208	99.99933493	99.99659168	99.44350465	96.73231149	92.43105781	87.67908803	83.11489897	78.85115497
180504A00024	5/4/2018	3.62	5/4/2028	100.00174	99.99901746	99.99629184	99.95976196	99.13796996	97.29529518	94.9877516	92.6783291	90.4367569
180627A00005	6/27/2018	3.63	6/30/2033	100.2723	100.1889007	100.1056413	99.86148069	98.32273453	95.47847021	92.19989831	89.00430249	85.97209627
180703A00033	7/3/2018	3.4	7/3/2028	100.24731	100.16399	100.0808085	99.93943572	99.23836679	98.021161	96.65262063	95.30211417	93.98338094
190111A00040	1/11/2019	3.74	1/11/2034	100.00197	99.99921216	99.99645231	99.3801415	96.63508678	92.42927677	87.87735414	83.53194292	79.48075695
190116A00015	1/16/2019	3.61	1/17/2034	100.2648	100.1814692	100.0982731	99.72156061	97.8285052	94.68208895	91.19829553	87.83745101	84.65966715
190204A00054	2/4/2019	3.98	2/6/2034	100.29562	100.2122658	100.1290442	99.57722693	96.93455308	92.52197296	87.52220609	82.6921622	78.20283174
190222A00023	2/22/2019	3.66	2/22/2034	102.05194	101.4324091	100.6071483	98.79245671	95.07372732	89.99976186	84.67658109	79.6491852	74.99636755
190301A00015	3/1/2019	3.86	3/1/2034	102.0689	101.5383224	100.8412645	99.31559608	96.01308288	91.14161171	85.83401383	80.76698102	76.07367737
190409A00016	4/9/2019	2.91	4/9/2029	100.21232	100.1289687	100.0366295	99.44692322	97.66685699	95.20313166	92.63442556	90.14578186	87.74657182
190409A00017	4/9/2019	3.01	4/9/2029	100.22065	100.1372926	100.0492018	99.51126956	97.70245511	95.06466121	92.2614584	89.54246248	86.92461622
190430A00020	4/30/2019	3.41	4/28/2034	102.21013	101.4574649	100.3327339	97.89086693	93.52296827	88.09825721	82.64561477	77.55198988	72.84764688
190520A00018	5/20/2019	3.7	5/20/2044	99.996094	99.9934241	99.68048921	96.75075565	91.39007801	85.17559546	79.15863477	73.67516968	68.74720045
190530A00044	5/30/2019	2.85	5/30/2034	100.20732	100.1239743	99.92548668	98.38807846	95.31433089	91.69066823	88.13005518	84.76442293	81.59004217
190807A00041	8/7/2019	2.27	8/7/2034	100.159	100.0604954	99.1944228	96.48770794	92.83392811	89.09295119	85.5385875	82.19229711	79.04071439
190807A00044	8/7/2019	2.27	8/7/2034	100.159	100.0604954	99.1944228	96.48770794	92.83392811	89.09295119	85.5385875	82.19229711	79.04071439
190827A00044	8/27/2019	1.9	8/27/2029	100.12817	100.0437337	99.61171747	98.2664822	96.46684819	94.61660158	92.81600298	91.0696889	89.37564695
190930A00079	9/30/2019	2.04	10/1/2029	100.13984	100.0565508	99.7226645	98.47222102	96.67462083	94.78858721	92.94944339	91.16657187	89.43794471
190930A00083	9/30/2019	2.04	10/1/2029	100.13984	100.0565508	99.7226645	98.47222102	96.67462083	94.78858721	92.94944339	91.16657187	89.43794471
191007A00012	10/7/2019	2	10/5/2029	100.13068	100.0469788	99.62403086	98.25742645	96.40067181	94.48354011	92.61834024	90.81108382	89.05958852

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
191007A00013	10/7/2019	2	10/5/2029	100.13068	100.0469788	99.62403086	98.25742645	96.40067181	94.48354011	92.61834024	90.81108382	89.05958852
191028A00015	10/28/2019	2.49	10/27/2034	100.17733	100.0940083	99.51521263	97.12822674	93.54502807	89.74187988	86.10494825	82.68263803	79.46254804
191031A00036	10/31/2019	2.9	10/31/2039	100.20566	100.0946133	98.93320525	95.2404047	90.13621956	84.86107787	79.92744738	75.40688841	71.26712852
191031A00037	10/31/2019	2.59	10/30/2034	100.17983	100.0965703	99.56332917	97.23956715	93.68774477	89.89076522	86.25426692	82.83175602	79.61122033
191220A00029	12/20/2019	2.57	12/19/2031	100.17817	100.0949056	99.88734436	98.54993292	96.12141143	93.3551728	90.64184224	88.04454936	85.55991075
200108A00009	1/8/2020	2.4	1/8/2035	99.998317	99.99131088	99.16745644	96.31815754	92.44683341	88.47283875	84.70694814	81.17734684	77.8681968
200108A00040	1/8/2020	2.52	1/8/2030	100.174	100.0907439	99.83712251	98.27921837	95.4722129	92.23619759	89.04419716	85.98711381	83.06279316
200110A00012	1/10/2020	2.57	1/10/2035	100.17817	100.0949056	99.48438996	97.0265112	93.36146165	89.48136811	85.77567186	82.29329373	79.02104365
200115A00023	1/15/2020	2.16	1/15/2030	100.14401	100.0607796	99.73780306	98.44469008	96.5350362	94.51388163	92.54340955	90.63689579	88.79200175
200306A00021	3/6/2020	1.16	3/6/2030	100.06071	99.74052819	98.35480245	96.32320284	94.20593594	92.14816753	90.15980382	88.2382057	86.38057228
200309A00013	3/9/2020	1.1	3/8/2030	100.05571	99.68926688	98.24091642	96.19051856	94.07335732	92.0183003	90.0326453	88.11367067	86.25857851
200316A00030	3/16/2020	1.35	3/15/2030	100.08236	99.90363688	98.80313903	96.88320034	94.76857015	92.69638992	90.69345761	88.75786269	86.88678174
200316A00032	3/16/2020	1.35	3/15/2030	100.08236	99.90363688	98.80313903	96.88320034	94.76857015	92.69638992	90.69345761	88.75786269	86.88678174
200318A00015	3/18/2020	1.69	3/18/2030	100.11046	100.0078465	99.28929416	97.59415978	95.52654139	93.45644949	91.45471159	89.52253315	87.65694651
200326A00035	3/26/2020	1.68	3/26/2030	100.10403	99.99625806	99.19748155	97.442217	95.35221423	93.27135618	91.25794045	89.31214849	87.43116425
200423A00008	4/23/2020	1.59	4/23/2030	99.996139	99.87923528	98.29668352	95.17066727	91.52486904	87.92451445	84.48504423	81.20668694	78.08101184
200423A00009	4/23/2020	1.59	4/23/2030	99.996139	99.87923528	98.29668352	95.17066727	91.52486904	87.92451445	84.48504423	81.20668694	78.08101184
200423A00010	4/23/2020	1.59	4/23/2030	99.996139	99.87923528	98.29668352	95.17066727	91.52486904	87.92451445	84.48504423	81.20668694	78.08101184
200430A00021	4/30/2020	1.2	4/30/2030	100.06404	99.76606685	98.39784228	96.34527773	94.19235407	92.09889859	90.07705935	88.12414707	86.23723082
200505A00010	5/5/2020	0.89	5/6/2030	100.04269	99.53496886	97.88823891	95.72577874	93.53978933	91.42421036	89.38234292	87.41110072	85.50744354
200512A00023	5/12/2020	1.78	5/11/2035	99.994913	99.13397186	95.72677257	90.77797714	85.57994991	80.66879163	76.13187526	71.9473622	68.08433437
200609A00003	6/9/2020	1.66	6/8/2035	100.03329	98.3914631	94.12635015	88.48109138	82.7355793	77.36685812	72.43957546	67.92257102	63.77804987
200612A00001	6/12/2020	0.75	6/12/2030	100.02228	99.35540782	97.54808107	95.32359726	93.10747661	90.96672295	88.9016975	86.9091232	84.98584134
201022A00008	10/22/2020	1.02	10/22/2035	100.00927	98.16881907	94.46038936	90.16523712	86.00267186	82.104322	78.46319801	75.05964621	71.87523084
201029A00008	10/29/2020	0.92	10/29/2030	100.13807	99.43281706	97.60042365	95.25724538	92.9034928	90.63212617	88.44552858	86.33989679	84.31152602
201030A00025	10/30/2020	2.02	10/28/2050	99.780914	96.41656572	90.04602209	82.30485028	74.66928299	67.79259986	61.79670778	56.59648261	52.07160724
201116A00019	11/16/2020	1.32	11/15/2030	100.33909	99.51599968	97.10797943	93.52048701	89.72973637	86.08184414	82.61717482	79.32748799	76.2028277
201118A00015	11/18/2020	1.66	11/18/2036	102.05711	97.64764195	91.86079922	85.28560812	78.81657161	72.86490616	67.47591508	62.60068855	58.18549671
201118A00017	11/18/2020	1.66	11/18/2036	102.05711	97.64764195	91.86079922	85.28560812	78.81657161	72.86490616	67.47591508	62.60068855	58.18549671
201118A00018	11/18/2020	1.85	11/18/2036	102.52257	98.29643923	92.68951446	86.20071341	79.72335068	73.73351468	68.30436151	63.39139234	58.94088369
201202A00016	12/2/2020	1.32	12/3/2035	100.31156	98.73806532	95.32139474	91.04297632	86.80178426	82.81896429	79.10138908	75.62935069	72.38356219
201202A00017	12/2/2020	1.32	12/3/2035	100.31156	98.73806532	95.32139474	91.04297632	86.80178426	82.81896429	79.10138908	75.62935069	72.38356219
201229A00003	12/29/2020	1.28	12/30/2030	100.41591	99.42864292	96.86301454	93.17062834	89.3167737	85.61892342	82.11105124	78.78390277	75.62701078

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
201230A00018	12/30/2020	1.52	12/28/2035	102.02835	97.65675425	92.00617506	85.65482766	79.4310287	73.68918867	68.46120501	63.70351845	59.36980773
210108A00007	1/8/2021	1.65	1/8/2036	100.33007	98.04738718	93.4434351	87.55020816	81.61879333	76.10663562	71.06961746	66.47121472	62.26911072
210405A00013	4/5/2021	1.82	4/7/2036	101.12461	99.79463919	97.05894335	92.98726456	88.61260386	84.43924067	80.5446864	76.91412356	73.52644897
210622A00004	6/22/2021	2.42	6/20/2036	101.82106	100.0725967	96.69565849	91.44807765	85.43919601	79.60990983	74.24855032	69.36333352	64.9103909
210623A00024	6/23/2021	1.56	6/23/2026	99.990287	99.97461743	99.53241462	98.76507697	97.98458802	97.21616011	96.45974093	95.71505087	94.98181834
210910A00009	9/10/2021	1.77	9/10/2036	101.83675	99.97461327	96.8875677	92.63884731	88.12210038	83.82387605	79.82259405	76.10171448	72.63811644
210924A00016	9/24/2021	1.91	9/24/2036	102.04032	100.2947526	97.41401297	93.29855735	88.79198661	84.46567871	80.43365776	76.68404619	73.19372341
211019A00005	10/19/2021	2.49	10/20/2036	102.72423	100.6439909	97.12000248	91.8662929	85.77660886	79.81436598	74.32658269	69.336163	64.79779129
211110A00017	11/10/2021	2.01	11/10/2036	102.50669	100.6270018	97.71589494	93.61240056	89.06444096	84.67305871	80.58017561	76.7773373	73.24070241
211116A00012	11/16/2021	2.22	12/18/2034	102.80231	101.2552695	99.06308659	95.83936483	92.00134731	88.16697799	84.54172875	81.1355588	77.9334186
211124A00008	11/24/2021	2.62	11/22/2041	103.18583	101.0512804	97.62792076	92.56702318	86.68638795	80.93909262	75.67016144	70.89956531	66.57903774
211215A00020	12/15/2021	1.85	12/15/2031	102.45248	101.0303415	99.23239928	96.80281824	94.01988823	91.25132153	88.59683948	86.05852808	83.63030398
211227A00012	12/27/2021	2.39	12/29/2036	106.54843	101.9477668	96.45042911	90.13676599	83.53673201	77.23624429	71.48221833	66.27718622	61.56747898
220217A00024	2/17/2022	2.43	2/17/2027	99.992528	99.98985145	99.93158552	99.23283309	98.04664124	96.74302936	95.45394297	94.18887445	92.94723479
220831A00108	8/31/2022	4.07	8/31/2027	100.30176	100.2152497	100.1288804	100.0426531	99.74015498	98.71552069	97.21639788	95.64785681	94.1149205
221212A00004	12/12/2022	4.36	12/10/2032	109.78436	107.5937462	105.4242815	103.2153378	100.853973	98.19513409	95.2037306	92.11454743	89.15137743
221214A00057	12/14/2022	4.65	12/14/2027	101.87464	101.4397568	101.0084521	100.5784922	100.1026916	99.25826184	97.636538	95.63781228	93.66373638
221222A00137	12/22/2022	5.4	12/22/2037	112.26514	109.8740483	107.4568129	104.8954258	101.9903505	98.47386308	94.24381903	89.62614493	85.18583044
240403A00012	4/3/2024	4.82	4/3/2029	108.33328	106.6067747	104.9124032	103.2347431	101.5224489	99.642428	97.37886403	94.76593779	92.17102313
ADV1007645	7/5/2024	4.781	7/5/2029	108.44064	106.6960988	104.9841501	103.2863825	101.5490189	99.6439175	97.37885845	94.77543844	92.18498077
ADV1007841	7/12/2024	0	7/12/2029	99.358508	96.79389846	93.32311672	89.8362949	86.48710232	83.27766765	80.20161497	77.25276014	74.42523969
ADV1007842	7/12/2024	0	7/12/2029	99.358508	96.79389846	93.32311672	89.8362949	86.48710232	83.27766765	80.20161497	77.25276014	74.42523969
ADV1007970	7/17/2024	0	7/17/2029	99.362044	96.7825162	93.29809638	89.80013733	86.44096664	83.22242958	80.13808001	77.18167657	74.34730267
ADV1008036	7/19/2024	0	7/19/2029	99.363439	96.7779515	93.28808693	89.78567902	86.42252031	83.20034557	80.1126809	77.15326214	74.31615149
ADV1008090	7/23/2024	0	7/23/2029	99.3662	96.76880171	93.26806551	89.75677066	86.38564127	83.15619676	80.06190819	77.09646584	74.2538896
ADV1008152	7/24/2024	0	7/24/2029	99.366885	96.76651009	93.26305962	89.74954536	86.37642434	83.14516356	80.04922032	77.08227355	74.23833256
ADV1008200	7/25/2024	0	7/25/2029	99.367567	96.76421679	93.25805351	89.74232077	86.36720855	83.13413196	80.03653457	77.06808396	74.22277888
ADV1008212	7/26/2024	0	7/26/2029	99.368246	96.76192179	93.25304718	89.7350969	86.3579939	83.12310196	80.02385095	77.05389709	74.20722858
ADV1008308	7/31/2024	0	7/31/2029	99.370751	96.75014441	93.22798559	89.69898753	86.31193761	83.06797595	79.96046466	76.98300334	74.12952755
ADV1008367	8/1/2024	0	8/1/2029	99.32547	96.73187189	93.2211618	89.69165314	86.30266722	83.05689073	79.94772822	76.96876738	74.11393251
ADV1008427	8/2/2024	0	8/2/2029	99.326203	96.72957466	93.21611841	89.68437746	86.29339819	83.04580712	79.93499393	76.95453416	74.09834087
ADV1008515	8/6/2024	0	8/6/2029	99.329109	96.72037196	93.19594455	89.65528185	86.25633359	83.00148892	79.88407821	76.8976286	74.03600823
ADV1008530	8/7/2024	0	8/7/2029	99.329829	96.71806794	93.19090097	89.64800972	86.24707032	82.99041342	79.87135464	76.88340905	74.02043355

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1008591	8/9/2024	0	8/9/2029	99.331262	96.71345492	93.18081366	89.63346758	86.22854723	82.96826727	79.84591393	76.85497812	73.98929436
ADV1008654	8/13/2024	0	8/13/2029	99.334101	96.70421773	93.16063868	89.60439182	86.19151484	82.92399441	79.79505822	76.79814902	73.92705663
ADV1008769	8/19/2024	0	8/20/2029	99.33898	96.68801363	93.12533407	89.55353659	86.12675243	82.84657918	79.70614315	76.69880309	73.81827092
ADV1008780	8/19/2024	0	8/20/2029	99.33898	96.68801363	93.12533407	89.55353659	86.12675243	82.84657918	79.70614315	76.69880309	73.81827092
ADV1008881	8/22/2024	0	8/22/2029	99.340353	96.68337469	93.11524738	89.53901306	86.10825922	82.82447509	79.6807581	76.67044306	73.78721972
ADV1008893	8/23/2024	0	8/23/2029	99.341037	96.68105367	93.11020407	89.53175238	86.09901434	82.81342547	79.66806878	76.65626713	73.77169919
ADV1008894	8/23/2024	0	8/23/2029	99.341037	96.68105367	93.11020407	89.53175238	86.09901434	82.81342547	79.66806878	76.65626713	73.77169919
ADV1008939	8/26/2024	0	8/27/2029	99.343747	96.67176152	93.09003148	89.50271697	86.0620463	82.76924314	79.61733286	76.59959062	73.70965083
ADV1008940	8/26/2024	0	8/27/2029	99.343747	96.67176152	93.09003148	89.50271697	86.0620463	82.76924314	79.61733286	76.59959062	73.70965083
ADV1009099	8/27/2024	0	8/27/2029	99.343747	96.67176152	93.09003148	89.50271697	86.0620463	82.76924314	79.61733286	76.59959062	73.70965083
ADV1009133	8/28/2024	0	8/28/2029	99.344418	96.66943677	93.08498879	89.49545993	86.05280716	82.75820159	79.60465422	76.58542829	73.69414718
ADV1009166	8/29/2024	0	8/29/2029	99.344956	96.66708121	93.07994313	89.48820358	86.04356916	82.74716165	79.59197772	76.57126869	73.6786469
ADV1009167	8/29/2024	0	8/29/2029	99.344956	96.66708121	93.07994313	89.48820358	86.04356916	82.74716165	79.59197772	76.57126869	73.6786469
ADV1009212	8/30/2024	0	8/30/2029	99.345474	96.66471129	93.07489613	89.48094794	86.03433232	82.73612333	79.57930335	76.5571118	73.66315
ADV1009568	9/17/2024	0	9/17/2029	99.312771	96.61027967	92.98528043	89.35128988	85.86688694	82.53394682	79.34526529	76.29387666	73.3731919
ADV1009810	9/24/2024	0	9/24/2029	99.318275	96.59550385	92.95123037	89.30097376	85.80183999	82.45538304	79.25430422	76.19155898	73.26048526
ADV1009878	9/26/2024	0	9/26/2029	99.319827	96.59127709	92.94150359	89.28660424	85.78326565	82.43295132	79.22833562	76.16235157	73.22831631
ADV1010064	10/2/2024	0	10/2/2029	99.277759	96.5618458	92.9099441	89.24313767	85.72744188	82.36574268	79.15069961	76.07517774	73.13243093
ADV1010067	10/2/2024	0	10/2/2029	99.277759	96.5618458	92.9099441	89.24313767	85.72744188	82.36574268	79.15069961	76.07517774	73.13243093
ADV1010068	10/2/2024	0	10/2/2029	99.277759	96.5618458	92.9099441	89.24313767	85.72744188	82.36574268	79.15069961	76.07517774	73.13243093
ADV1010126	10/4/2024	4.138	10/4/2029	108.41312	106.4560862	104.5276395	102.5842042	100.5285622	98.21286536	95.56545406	92.80401443	90.13296303
ADV1010140	10/7/2024	0	10/9/2029	99.282762	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010151	10/7/2024	0	10/9/2029	99.282762	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010158	10/7/2024	0	10/9/2029	99.282762	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010203	10/9/2024	0	10/9/2029	99.282802	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010205	10/9/2024	0	10/9/2029	99.282802	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010208	10/9/2024	0	10/9/2029	99.282802	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010209	10/9/2024	0	10/9/2029	99.282802	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010210	10/9/2024	0	10/9/2029	99.282802	96.5456051	92.87437021	89.19183013	85.66206855	82.28751689	79.06072915	75.9744884	73.0219725
ADV1010261	10/11/2024	0	10/11/2029	99.284275	96.54094949	92.86420431	89.1771771	85.64340111	82.2651817	79.03504326	75.94574553	72.99044475
ADV1010356	10/16/2024	0	10/16/2029	99.287693	96.52928018	92.83878556	89.14055665	85.59675322	82.20937293	78.97086732	75.87393792	72.91168715
ADV1010407	10/18/2024	0	10/18/2029	99.289109	96.52460015	92.82861637	89.12591333	85.57810234	82.18706111	78.94521245	75.84523469	72.8802088
ADV1010414	10/18/2024	0	10/18/2029	99.289109	96.52460015	92.82861637	89.12591333	85.57810234	82.18706111	78.94521245	75.84523469	72.8802088

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1010416	10/18/2024	0	10/18/2029	99.289109	96.52460015	92.82861637	89.12591333	85.57810234	82.18706111	78.94521245	75.84523469	72.8802088
ADV1010510	10/24/2024	0	10/24/2029	99.293113	96.51051678	92.79810255	89.08200103	85.5221781	82.12016565	78.86830093	75.75919287	72.78585833
ADV1010633	10/31/2024	5.44	10/29/2049	121.99877	117.3812105	112.608663	107.5400028	101.9700629	95.77261391	89.0695859	82.31366182	76.02640423
ADV1012378	1/15/2025	0	1/15/2030	99.205295	96.25659956	92.35958005	88.46438312	84.74055283	81.1899081	77.8037574	74.57370098	71.49181196
ADV1012454	1/17/2025	0	1/17/2030	99.207142	96.25125818	92.34874188	88.44921729	84.72157146	81.16749019	77.77824859	74.54541988	71.46105215
ADV1012574	1/22/2025	0	1/22/2030	99.209083	96.23788273	92.32164879	88.41131689	84.6741399	81.11147545	77.71451563	74.47476614	71.3842128
ADV1012601	1/23/2025	0	1/23/2030	99.209613	96.23520371	92.31623051	88.40373924	84.66465733	81.10027765	77.70177573	74.46064379	71.36885524
ADV1012603	1/23/2025	0	1/23/2030	99.209613	96.23520371	92.31623051	88.40373924	84.66465733	81.10027765	77.70177573	74.46064379	71.36885524
ADV1012608	1/23/2025	0	1/23/2030	99.209613	96.23520371	92.31623051	88.40373924	84.66465733	81.10027765	77.70177573	74.46064379	71.36885524
ADV1012631	1/24/2025	0	1/24/2030	99.210645	96.23252333	92.31081235	88.3961624	84.65517602	81.08908157	77.68903806	74.44652424	71.35350111
ADV1012660	1/27/2025	0	1/28/2030	99.211969	96.22178772	92.28914149	88.3658631	84.61726323	81.04431439	77.63810965	74.390074	71.29211892
ADV1012688	1/27/2025	4.945	1/15/2030	107.00109	105.5827799	104.1847867	102.7846125	101.2957226	99.46187028	96.84174665	93.42705228	89.95618352
ADV1013119	2/13/2025	0	2/13/2030	99.178309	96.16764293	92.2048568	88.24593908	84.46397396	80.86093461	77.42770061	74.15545173	71.03587351
ADV1013181	2/14/2025	0	2/14/2030	99.180077	96.16540121	92.19977816	88.23847271	84.45437776	80.84942251	77.4144685	74.14067982	71.01972751
ADV1013281	2/20/2025	4.459	3/15/2028	110.90016	108.5002796	106.1630094	103.8816815	101.6424646	99.41887229	97.17913443	94.94340171	92.76423616
ADV1013282	2/20/2025	5	1/7/2030	106.92629	105.5361995	104.1659183	102.7952934	101.3440169	99.57520319	97.03823429	93.66585921	90.20617207
ADV1013283	2/20/2025	0	2/20/2030	99.183917	96.15192478	92.16931236	88.19369182	84.39682752	80.78038794	77.33512631	74.05211269	70.92293142
ADV1013471	2/25/2025	4.715	3/2/2032	122.08579	117.111944	112.2594698	107.4765053	102.7019349	97.87239523	92.96777613	88.10882501	83.50035359
ADV1013551	2/28/2025	0	2/28/2030	99.193183	96.135242	92.12886748	88.13403581	84.32016568	80.6884432	77.22947104	73.9341945	70.79408277
ADV1015005	4/29/2025	0	4/29/2030	99.134511	95.93852859	91.79526709	87.67130496	83.73977638	80.00153631	76.44632158	73.06426526	69.84608837
ADV1013643	3/4/2025	0	3/4/2030	99.151047	96.10724605	92.10473274	88.10315755	84.2815817	80.64279264	77.17741594	73.87634502	70.73100034
ADV1014406	4/4/2025	0	4/4/2030	99.122632	96.00601587	91.93256666	87.86464967	83.98273816	80.28926163	76.7743956	73.4286266	70.24300035
ADV1014512	4/10/2025	0	4/10/2030	99.125025	95.98989049	91.89960666	87.81819796	83.92435116	80.22010227	76.69552035	73.34100646	70.14752751
ADV1014034	3/21/2025	0	3/21/2030	99.160215	96.06133853	92.01151739	87.9724795	84.1178355	80.44909934	76.95660149	73.63101399	70.46355321
ADV1014513	4/10/2025	0	4/10/2030	99.125025	95.98989049	91.89960666	87.81819796	83.92435116	80.22010227	76.69552035	73.34100646	70.14752751
ADV1013661	3/5/2025	0	3/5/2030	99.151582	96.1045775	92.09925787	88.09546504	84.27193915	80.63138451	77.16440805	73.86189007	70.71523889
ADV1013623	3/4/2025	0	3/4/2030	99.151047	96.10724605	92.10473274	88.10315755	84.2815817	80.64279264	77.17741594	73.87634502	70.73100034
ADV1015175	5/2/2025	5.176	5/2/2045	122.03493	117.0740821	112.0029171	106.7191614	101.1105703	95.14054991	88.96599373	82.91219662	77.31533434
ADV1015172	5/2/2025	5.176	5/2/2045	122.03493	117.0740821	112.0029171	106.7191614	101.1105703	95.14054991	88.96599373	82.91219662	77.31533434
ADV1015129	5/1/2025	0	5/1/2030	99.092879	95.91609671	91.78195458	87.65557331	83.72025924	79.97853823	76.42019282	73.03532802	69.81463863
ADV1016790	6/26/2025	0	6/26/2030	99.072006	95.7312049	91.45639118	87.21045351	83.16896568	79.33232016	75.68938931	72.22948531	68.94256454
ADV1015176	5/2/2025	5.173	5/2/2045	122.0199	117.0589235	111.9871799	106.7023989	101.0923144	95.12073829	88.94547006	82.89210605	77.29632481
ADV1015173	5/2/2025	5.176	5/2/2045	122.03493	117.0740821	112.0029171	106.7191614	101.1105703	95.14054991	88.96599373	82.91219662	77.31533434

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1017194	7/10/2025	0	7/10/2030	99.035004	95.66948107	91.37036176	87.09661837	83.02942343	79.16987083	75.50664471	72.02884402	68.72622705
ADV1017985	8/8/2025	4.86	8/8/2035	123.70573	118.093557	112.4240348	106.6263662	100.6110051	94.34167159	87.91515543	81.61009849	75.75969829
ADV1017548	7/24/2025	0	7/24/2030	99.038716	95.62272363	91.28517962	86.98217829	82.8896433	79.00758461	75.32440995	71.82899869	68.51090779
211124A00005	11/26/2021	4.71	11/26/2025	100.05971	100.0566329	100.0529959	100.048808	100.044076	100.0388065	100.033006	100.026681	100.0198379
211124A00006	11/26/2021	4.76	11/25/2026	100.24291	100.0829463	100.0852057	100.0887789	100.0935184	100.0992878	100.1059609	100.1134215	100.1215617
220608A00012	6/8/2022	5.09	6/8/2029	101.15141	100.7953336	100.8159374	100.8097895	100.7790439	100.7256996	100.6516124	100.5585044	100.4479747
220929A00039	9/29/2022	5.13	9/28/2029	101.26524	101.0016814	101.0197552	101.0084193	100.9702375	100.907574	100.8226098	100.7173565	100.5936698
221115A00039	11/15/2022	4.91	11/16/2026	100.34451	100.2661334	100.266358	100.2675889	100.269708	100.2726063	100.276183	100.280345	100.2850061
221216A00018	12/16/2022	4.91	12/16/2026	100.37819	100.2754076	100.2802168	100.2815429	100.2795122	100.2742461	100.2658614	100.2544703	100.2401806
230307A00025	3/7/2023	4.91	3/7/2028	100.82789	100.2392126	100.2594472	100.263127	100.2513067	100.2249776	100.1850723	100.1324676	100.0679886
230313A00111	3/13/2023	5.06	2/13/2026	100.26494	100.2610943	100.2563425	100.2507033	100.244196	100.2368393	100.2286514	100.2196502	100.2098532
230313A00120	3/13/2023	5.06	4/13/2026	100.30778	100.3039412	100.2987951	100.2923784	100.2847268	100.275875	100.2658565	100.254704	100.242449
230313A00124	3/13/2023	5.06	5/13/2026	100.32034	100.3166733	100.3114978	100.3048635	100.296817	100.2874029	100.2766644	100.2646433	100.2513799
230410A00022	4/10/2023	5.02	4/10/2028	100.947	100.5135885	100.530781	100.5304482	100.5136835	100.4815179	100.4349235	100.3748171	100.3020636
230511A00058	5/11/2023	4.98	5/11/2028	100.92197	100.4057886	100.4247147	100.4250532	100.4079892	100.3746387	100.3260532	100.2632234	100.1870828
230816A00019	8/16/2023	4.96	8/16/2028	100.92082	100.3249204	100.3484601	100.3502281	100.331846	100.2948245	100.2405712	100.1703983	100.0855286
230914A00009	9/14/2023	4.88	9/14/2028	100.85638	100.0740003	100.1025226	100.1085019	100.0936077	100.0593966	100.0073195	99.9387293	99.85488788
230922A00036	9/22/2023	4.85	9/22/2028	100.8356	99.97856157	100.008617	100.0160434	100.0025009	99.96953831	99.91860068	99.85103669	99.76810511
231025A00027	10/25/2023	4.88	10/25/2028	100.86654	100.0547114	100.0930013	100.1129026	100.1157573	100.1028193	100.0752599	100.0341735	99.980583
231106A00009	11/6/2023	4.85	10/15/2026	100.24742	100.1827149	100.1817478	100.1805349	100.1790494	100.1772669	100.1751657	100.1727263	100.1699314
231115A00005	11/15/2023	4.84	11/16/2026	100.28741	100.1809005	100.1817465	100.1835879	100.1863071	100.1897953	100.1939519	100.1986842	100.2039062
231215A00007	12/15/2023	4.83	12/1/2026	100.30001	100.1701955	100.1722937	100.175733	100.1803634	100.1860465	100.1926544	100.2000693	100.2081821
240112A00017	1/12/2024	4.9	1/12/2029	100.89737	100.0848858	100.1200774	100.13159	100.1212194	100.0906364	100.0413958	99.97494486	99.89263079
240116A00030	1/16/2024	4.78	1/15/2027	100.30102	100.0929478	100.1040848	100.1068979	100.1018103	100.0892238	100.0695192	100.0430583	100.0101845
240215A00011	2/15/2024	4.76	2/16/2027	100.32773	100.0506823	100.0610522	100.0628435	100.0565052	100.0424626	100.021119	99.99285661	99.95803817
240314A00006	3/14/2024	4.86	3/14/2029	100.8946	99.94448541	99.97995293	99.99100171	99.97949182	99.94715419	99.89559976	99.82632811	99.74073526
240315A00011	3/15/2024	4.74	3/15/2027	100.353	100.0113338	100.0207852	100.0211678	100.0129192	99.99645615	99.97217486	99.94045257	99.90164843
240327A00032	3/27/2024	4.72	3/26/2027	100.35358	99.973649	99.98405893	99.98500369	99.97692346	99.96023783	99.93534681	99.90263195	99.86245725
240328A00053	3/28/2024	4.85	3/28/2029	100.88865	99.90465606	99.94151641	99.95348711	99.94245195	99.91016609	99.85826499	99.78827279	99.70160993
240415A00006	4/15/2024	4.71	4/15/2027	100.37664	99.95033315	99.9608358	99.96121648	99.95194513	99.93346996	99.9062186	99.87059922	99.82700143
240417A00013	4/17/2024	5.04	4/17/2031	100.82006	100.3740015	100.4147024	100.4157803	100.3813388	100.3151046	100.2204625	100.1004859	99.95796533
240515A00015	5/15/2024	4.7	5/17/2027	100.41519	99.92127277	99.93307271	99.93359783	99.92338695	99.90295376	99.87278809	99.83335717	99.78510674
ADV1006428	5/28/2024	4.712	5/28/2027	100.43589	99.93705571	99.94962343	99.95046407	99.94014354	99.91920125	99.8881514	99.84748439	99.79766792

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1006699	6/3/2024	4.731	6/3/2027	100.45525	99.9685631	99.98096873	99.98144671	99.97058508	99.94894374	99.91705591	99.8754296	99.8245488
ADV1006870	6/10/2024	4.747	6/10/2027	100.47562	99.99561373	100.0074917	100.0072896	99.9956303	99.97310602	99.94027928	99.89768487	99.84583119
ADV1007038	6/14/2024	4.754	6/14/2027	100.48624	100.0074954	100.0191079	100.0185601	100.0064931	99.98351559	99.95020529	99.90711076	99.85475299
ADV1007043	6/14/2024	4.814	6/14/2029	100.87627	99.75667879	99.79743673	99.81071069	99.79871394	99.76349909	99.70696985	99.63089208	99.53690378
ADV1007203	6/20/2024	4.753	6/21/2027	100.49597	100.0047398	100.0161542	100.0152378	100.0026671	99.97908336	99.94509386	99.90127431	99.84817045
ADV1007514	7/1/2024	4.765	7/1/2027	100.51845	100.0252395	100.0362449	100.0346535	100.0211905	99.99654108	99.96135322	99.91623957	99.86177968
ADV1007965	7/17/2024	4.762	7/19/2027	100.53473	100.0130203	100.0253984	100.0246172	100.0114573	99.98665547	99.95090718	99.90486927	99.8491621
ADV1008702	8/15/2024	4.793	8/16/2027	100.58135	100.063388	100.0773127	100.0770388	100.0634488	100.0373736	99.99959551	99.9508516	99.89183622
ADV1008824	8/21/2024	4.793	8/23/2027	100.58726	100.0611839	100.0756486	100.0756488	100.0620903	100.0358256	99.99765709	99.94834024	99.8885866
ADV1009264	9/4/2024	4.81	9/7/2027	100.61435	100.0907077	100.1055648	100.1055784	100.0916759	100.0647304	100.0255635	99.97494877	99.91361476
ADV1010016	10/1/2024	4.788	10/1/2026	100.17917	100.1076533	100.1060014	100.1034187	100.0999321	100.0955677	100.0903505	100.0843049	100.0774542
ADV1010293	10/15/2024	4.827	10/15/2027	100.66454	100.1121044	100.1331035	100.1421212	100.1398771	100.1270505	100.104283	100.0721809	100.0313165
ADV1010616	10/30/2024	4.818	10/30/2026	100.2325	100.1310138	100.1344729	100.1399179	100.1471981	100.1561725	100.1667095	100.1786865	100.1919884
ADV1010836	11/12/2024	4.838	11/12/2027	100.69535	100.1223891	100.145074	100.1556057	100.1546836	100.1429702	100.1210929	100.089646	100.0491923
ADV1010941	11/15/2024	4.843	11/15/2027	100.70191	100.1323258	100.1549424	100.1653974	100.1643879	100.1525744	100.1305826	100.0990053	100.0584043
ADV1011265	11/29/2024	4.542	12/1/2025	100.04995	100.0471308	100.0441159	100.0409048	100.0374999	100.0339037	100.0301184	100.0261464	100.0219899
ADV1011500	12/12/2024	4.816	12/13/2027	100.70163	100.056374	100.0813943	100.0941148	100.0952746	100.0855713	100.0656639	100.0361745	99.99769087
ADV1012110	1/6/2025	4.811	1/6/2028	100.70871	100.0264793	100.0542944	100.0696702	100.0734198	100.0663066	100.0490468	100.0223131	99.98673727
ADV1013208	2/18/2025	4.76	2/18/2028	100.70035	99.87386215	99.90478942	99.92305937	99.9294859	99.92483394	99.90982245	99.88512754	99.85138501
ADV1014071	3/24/2025	4.587	11/24/2025	100.02785	100.0202335	100.0121099	100.003482	99.99435581	99.9847375	99.97463301	99.96404828	99.95298913
ADV1013888	3/14/2025	4.767	3/14/2028	100.72114	99.872842	99.89840782	99.90709032	99.89995172	99.8779916	99.84215078	99.79331509	99.73231865
ADV1014315	4/2/2025	4.649	6/2/2026	100.03041	99.99978905	99.99833587	99.99624567	99.99353994	99.99023933	99.98636364	99.98193194	99.97696257
ADV1014403	4/4/2025	4.688	8/4/2026	100.0644	100.012605	100.0120178	100.0106348	100.0084886	100.00561	100.0020284	99.99777208	99.99286772
ADV1014613	4/15/2025	4.857	4/17/2028	100.8038	100.087692	100.1168035	100.1318805	100.133811	100.1234323	100.1015332	100.0688574	100.0261062
ADV1014146	3/27/2025	4.796	3/27/2028	100.74555	99.93661001	99.9619906	99.97009765	99.96199883	99.93870078	99.90115267	99.85024982	99.78683674
ADV1015395	5/12/2025	4.813	5/12/2028	100.78094	99.95462597	99.98013854	99.98686685	99.97600392	99.94867355	99.90593449	99.84878439	99.77816343
ADV1016297	6/9/2025	4.607	4/10/2026	100.03768	100.0250512	100.0211872	100.0160355	100.009631	100.0020073	99.99319725	99.98323252	99.97214397
ADV1016466	6/16/2025	4.621	6/16/2026	100.02502	99.98205457	99.97845	99.97301219	99.96581053	99.95691157	99.94637904	99.93427411	99.92065542
ADV1017575	7/25/2025	4.537	10/27/2025	100.01403	100.0105936	100.0069261	100.0030254	99.99889327	99.99453175	99.98994265	99.98512786	99.98008924
ADV1017146	7/9/2025	4.538	10/9/2025	100.01198	100.0085862	100.0050847	100.0014757	99.99775998	99.99393814	99.99001081	99.98597866	99.98184231
ADV1017175	7/10/2025	4.537	10/10/2025	100.01199	100.0085923	100.0050805	100.0014555	99.99771801	99.99386877	99.98990844	99.98583772	99.98165731
ADV1018123	8/14/2025	4.521	11/14/2025	100.01303	100.0098308	100.0062233	100.0022077	99.99778849	99.99296995	99.98775635	99.98215193	99.97616088
ADV1017574	7/25/2025	4.534	10/23/2025	100.01313	100.009757	100.0061833	100.0024084	99.99843381	99.99426103	99.98989163	99.98532716	99.98056914

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1018043	8/12/2025	4.524	11/12/2025	100.01346	100.0102333	100.006616	100.0026125	99.99822682	99.99346303	99.98832504	99.98281677	99.97694208
ADV1018298	8/21/2025	4.84	8/21/2028	100.81859	99.96872523	100.0047484	100.0230393	100.0249369	100.0116881	99.98445432	99.94431729	99.8922849
ADV1018164	8/15/2025	4.833	8/15/2028	100.81321	99.94964598	99.97904194	99.98655683	99.9738128	99.94232131	99.89349096	99.8286348	99.74897697
ADV1009630	9/18/2024	4.955	9/18/2029	100.01241	100.009613	100.0068166	100.0040226	100.0012309	99.9984416	99.99565459	99.97493693	99.93478673
ADV1010025	10/1/2024	4.966	10/1/2029	100.01244	100.0096508	100.0068594	100.0040702	100.0012835	99.998499	99.99571687	99.98542089	99.96091037
ADV1010137	10/7/2024	4.959	10/9/2029	100.01243	100.0096349	100.0068457	100.0040589	100.0012745	99.99849235	99.99571255	99.97394049	99.93933946
ADV1010509	10/24/2024	4.976	10/24/2029	100.01247	100.0096893	100.0069066	100.0041262	100.0013481	99.99857242	99.99579902	99.99302794	99.9915469
ADV1010723	11/5/2024	5.036	11/5/2029	100.01264	100.0098626	100.0070844	100.0043084	100.0015349	99.9987636	99.99599465	99.99322803	99.99046371
ADV1010727	11/5/2024	4.845	8/5/2026	100.01212	100.0093372	100.0065593	100.0037838	100.0010105	99.99823962	99.99547103	99.99270475	99.98994079
ADV1010729	11/5/2024	4.835	5/5/2026	100.01209	100.0093095	100.0065316	100.0037561	100.0009828	99.99821196	99.99544338	99.99267713	99.98991318
ADV1010935	11/15/2024	4.989	5/15/2029	100.01252	100.0097436	100.00697	100.0041988	100.0014298	99.99866324	99.99589894	99.99313696	99.99037728
ADV1010936	11/15/2024	4.915	2/15/2028	100.01231	100.0095382	100.0067647	100.0039935	100.0012247	99.99845815	99.99569394	99.99293204	99.99017245
ADV1010937	11/15/2024	4.895	11/15/2027	100.01226	100.0094827	100.0067092	100.003938	100.0011692	99.99840272	99.99563853	99.99287666	99.99011709
ADV1010971	11/18/2024	4.861	2/16/2027	100.01216	100.0093883	100.0066148	100.0038437	100.001075	99.99830849	99.99554434	99.9927825	99.99002298
ADV1011039	11/20/2024	4.996	11/20/2029	100.01253	100.0097579	100.0069855	100.0042155	100.0014478	99.99868236	99.99591927	99.99315849	99.99040002
ADV1011270	11/29/2024	4.976	11/20/2029	100.01248	100.0097024	100.00693	100.00416	100.0013923	99.99862691	99.99586383	99.99310308	99.9869516
ADV1011569	12/16/2024	4.981	12/14/2029	100.01248	100.0096764	100.0068788	100.0040836	100.0012907	99.9985001	99.99571187	99.99292597	99.9901424
ADV1011573	12/16/2024	4.969	9/14/2029	100.01245	100.0096501	100.0068525	100.0040573	100.0012644	99.99847381	99.99568559	99.9928997	99.97630414
ADV1011770	12/23/2024	4.951	6/21/2029	100.0124	100.0096065	100.0068116	100.0040191	100.0012289	99.99844108	99.99565557	99.98055174	99.93859737
ADV1012634	1/24/2025	4.954	1/24/2030	100.01241	100.0096214	100.0068388	100.0040586	100.0012806	99.99850506	99.99573178	99.94199817	99.90891425
ADV1012369	1/15/2025	4.937	7/16/2029	100.01237	100.0095807	100.0067946	100.0040109	100.0012296	99.99845054	99.99567382	99.93467435	99.88937649
ADV1012496	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012665	1/27/2025	4.887	1/29/2029	100.01223	100.0094487	100.0066674	100.0038883	100.0011116	100.0004643	99.9373545	99.85928793	99.85353377
ADV1012173	1/8/2025	4.972	11/21/2029	100.01247	100.0096918	100.0069199	100.0041502	100.0013829	99.9986179	99.99585521	100.0004708	99.97416234
ADV1012341	1/15/2025	4.88	4/17/2028	100.01221	100.0094227	100.0066368	100.0038533	100.0010722	99.99829336	99.99551685	99.95320116	99.91496834
ADV1012552	1/22/2025	4.917	1/22/2029	100.01231	100.009528	100.006744	100.0039622	100.0011828	99.99840572	99.99563096	99.9396359	99.90838399
ADV1012499	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012365	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012639	1/24/2025	4.933	4/24/2029	100.01236	100.0095746	100.006792	100.0040117	100.0012337	99.9984581	99.99568478	99.948387	99.90973596
ADV1012350	1/15/2025	4.913	1/16/2029	100.0123	100.0095141	100.0067282	100.0039446	100.0011633	99.99838436	99.99290507	99.92913491	99.94447787
ADV1012360	1/15/2025	4.788	1/15/2027	100.01196	100.0091676	100.0063821	100.003599	100.0008182	99.99803966	99.9952635	99.97652756	99.96578249
ADV1012593	1/23/2025	4.952	1/23/2030	100.0124	100.0096153	100.0068323	100.0040517	100.0012734	99.99849747	99.99572383	99.93538806	99.90205717
ADV1012408	1/16/2025	4.749	10/16/2026	100.01185	100.00906	100.0062751	100.0034924	100.0007121	99.99793413	99.98485052	99.96744963	99.95630858

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1012349	1/15/2025	4.832	7/15/2027	100.01208	100.0092896	100.0065039	100.0037206	100.0009396	99.998161	99.99538467	99.95784375	99.91659151
ADV1012351	1/15/2025	4.867	1/18/2028	100.01217	100.0093866	100.0066008	100.0038174	100.0010363	99.99825751	99.99548105	99.97033359	99.94677555
ADV1012446	1/17/2025	4.704	4/17/2026	100.01172	100.0089358	100.0061514	100.0033692	100.0005895	99.997812	99.99503687	99.98928966	99.98412624
ADV1012486	1/21/2025	4.847	10/20/2027	100.01212	100.0093339	100.0065501	100.0037686	100.0009894	99.99821255	99.99543802	99.96135216	99.92686713
ADV1012355	1/15/2025	4.743	7/15/2026	100.01183	100.0090429	100.0062575	100.0034745	100.0006939	99.99791557	99.98748061	99.96979363	99.95705869
ADV1012562	1/22/2025	4.789	1/22/2027	100.01196	100.0091742	100.0063913	100.0036107	100.0008324	99.99805648	99.99528286	99.97680521	99.96515452
ADV1012668	1/27/2025	4.798	7/26/2027	100.01199	100.0092019	100.0064208	100.003642	100.0008655	99.99706949	99.95423835	99.90464247	99.85811443
ADV1012345	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012406	1/16/2025	4.883	7/17/2028	100.01222	100.0094315	100.0066461	100.003863	100.0010822	99.9983037	99.97453203	99.91032488	99.84892745
ADV1012477	1/21/2025	4.939	10/22/2029	100.01237	100.0095844	100.0068003	100.0040186	100.0012391	99.99846202	100.0083324	99.92026382	99.87672506
ADV1012485	1/21/2025	4.863	1/20/2028	100.01216	100.0093783	100.0065944	100.0038128	100.0010336	99.9982567	99.99548212	99.96438001	99.93848915
ADV1012596	1/23/2025	4.882	4/24/2028	100.01222	100.0094326	100.0066498	100.0038693	100.0010911	99.99831524	99.9955417	99.95426653	99.91374795
ADV1012358	1/15/2025	4.788	1/15/2027	100.01196	100.0091676	100.0063821	100.003599	100.0008182	99.99803966	99.9952635	99.97652756	99.96578249
ADV1012344	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012368	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012475	1/21/2025	4.81	4/20/2027	100.01202	100.0092313	100.0064476	100.0036662	100.0008872	99.99811044	99.99267284	99.95418832	99.92076687
ADV1012474	1/21/2025	4.787	1/20/2027	100.01195	100.0091676	100.0063839	100.0036026	100.0008236	99.99804697	99.99527263	99.97497179	99.96334263
ADV1012364	1/15/2025	4.85	10/15/2027	100.01213	100.0093395	100.0065538	100.0037704	100.0009894	99.99821063	99.99543424	99.96604168	99.93293809
ADV1012480	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012348	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012554	1/22/2025	4.916	1/22/2029	100.01231	100.0095253	100.0067412	100.0039594	100.00118	99.99840296	100.0012819	99.93746738	99.90411213
ADV1012353	1/15/2025	4.715	4/15/2026	100.01175	100.0089652	100.00618	100.0033971	100.0006166	99.99783836	99.99506246	99.99228889	99.98951763
ADV1012363	1/15/2025	4.919	4/16/2029	100.01232	100.0095308	100.0067448	100.0039612	100.0011799	99.9984009	99.99028397	99.91366708	99.94710173
ADV1012502	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012367	1/15/2025	4.812	4/15/2027	100.01202	100.0092341	100.0064486	100.0036653	100.0008844	99.99810584	99.99566977	99.95958877	99.92833464
ADV1012560	1/22/2025	4.954	1/22/2030	100.01241	100.0096203	100.0068369	100.0040559	100.0012773	99.99850093	99.99572691	99.94116493	99.90895594
ADV1012218	1/10/2025	4.961	7/10/2029	100.01243	100.0096444	100.0068564	100.0040707	100.0012873	99.99850633	99.99572763	99.99099146	99.95736119
ADV1012346	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012447	1/17/2025	4.785	1/19/2027	100.01195	100.0091604	100.0063757	100.0035932	100.0008132	99.99803543	99.99526001	99.97280015	99.96152356
ADV1012482	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012559	1/22/2025	4.849	10/22/2027	100.01213	100.0093406	100.0065575	100.0037767	100.0009982	99.99822211	99.99544831	99.96372726	99.93039867
ADV1012594	1/23/2025	4.835	7/23/2027	100.01209	100.0093023	100.0065196	100.0037392	100.0009612	99.99818547	99.99541208	99.95960558	99.9198026
ADV1012473	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1012476	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012357	1/15/2025	4.762	10/15/2026	100.01188	100.0090955	100.0063101	100.0035271	100.0007464	99.99796797	99.99447403	99.97687985	99.96776335
ADV1012640	1/24/2025	4.954	1/24/2030	100.01241	100.0096214	100.0068388	100.0040586	100.0012806	99.99850506	99.99573178	99.94199817	99.90891425
ADV1012557	1/22/2025	4.904	10/20/2028	100.01228	100.009492	100.006708	100.0039263	100.0011469	99.99836985	99.99255529	99.92651413	99.87715987
ADV1012352	1/15/2025	4.867	1/18/2028	100.01217	100.0093866	100.0066008	100.0038174	100.0010363	99.99825751	99.99548105	99.97033359	99.94677555
ADV1012370	1/15/2025	4.88	4/17/2028	100.01221	100.0094227	100.0066368	100.0038533	100.0010722	99.99829336	99.99551685	99.95320116	99.91496834
ADV1012362	1/15/2025	4.903	10/16/2028	100.01227	100.0094864	100.0067005	100.0039169	100.0011357	99.99835678	99.98827154	99.92390143	99.89091343
ADV1012366	1/15/2025	4.958	1/15/2030	100.01242	100.0096274	100.0068414	100.0040577	100.0012764	99.99849741	99.99572072	99.95400988	99.91871945
ADV1012492	1/21/2025	4.754	10/20/2026	100.01186	100.0090761	100.0062925	100.0035113	100.0007324	99.9979559	99.98873807	99.97067402	99.96113072
ADV1012491	1/21/2025	4.733	7/20/2026	100.0118	100.0090178	100.0062344	100.0034532	100.0006744	99.99370167	99.97807398	99.96048225	99.94586409
ADV1012558	1/22/2025	4.904	10/20/2028	100.01228	100.009492	100.006708	100.0039263	100.0011469	99.99836985	99.99255529	99.92651413	99.87715987
ADV1012479	1/21/2025	4.847	10/20/2027	100.01212	100.0093339	100.0065501	100.0037686	100.0009894	99.99821255	99.99543802	99.96135216	99.92686713
ADV1012478	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012342	1/15/2025	4.892	7/17/2028	100.01224	100.0094559	100.0066701	100.0038865	100.0011053	99.99832645	99.99184279	99.93030358	99.87296958
ADV1012553	1/22/2025	4.904	10/20/2028	100.01228	100.009492	100.006708	100.0039263	100.0011469	99.99836985	99.99255529	99.92651413	99.87715987
ADV1012671	1/27/2025	4.798	7/26/2027	100.01199	100.0092019	100.0064208	100.003642	100.0008655	99.99706949	99.95423835	99.90464247	99.85811443
ADV1012563	1/22/2025	4.954	1/22/2030	100.01241	100.0096203	100.0068369	100.0040559	100.0012773	99.99850093	99.99572691	99.94116493	99.90895594
ADV1012147	1/7/2025	4.953	10/29/2029	100.01241	100.0096272	100.0068457	100.0040665	100.0012897	99.99851517	99.99574298	99.95957609	99.92163511
ADV1012663	1/27/2025	4.84	4/25/2028	100.0121	100.0093184	100.0065371	100.0037582	100.0009817	99.97967933	99.92874178	99.86395279	99.82550589
ADV1012489	1/21/2025	4.847	10/20/2027	100.01212	100.0093339	100.0065501	100.0037686	100.0009894	99.99821255	99.99543802	99.96135216	99.92686713
ADV1012472	1/21/2025	4.902	10/20/2028	100.01227	100.0094864	100.0067024	100.0039207	100.0011414	99.99836433	99.98777792	99.92178893	99.87098631
ADV1012445	1/17/2025	4.934	1/17/2030	100.01235	100.009562	100.0067769	100.003994	100.0012136	99.9984354	99.97869937	99.87790313	99.83931478
ADV1012471	1/21/2025	4.941	10/22/2029	100.01238	100.00959	100.0068059	100.0040241	100.0012447	99.99846754	99.99569274	99.92563731	99.88190033
ADV1012556	1/22/2025	4.916	1/22/2029	100.01231	100.0095253	100.0067412	100.0039594	100.00118	99.99840296	100.0012819	99.93746738	99.90411213
ADV1013290	2/20/2025	4.877	1/15/2030	100.09394	100.0012304	99.93151591	100.0500524	99.94533491	99.88821872	99.79395951	99.69142776	99.77779166
ADV1013288	2/20/2025	4.877	1/22/2030	100.09847	100.001334	99.92745234	99.98258889	99.94948247	99.88693579	99.79342754	99.69140273	99.78087778
ADV1013289	2/20/2025	4.867	7/16/2029	100.0619	100.0249127	99.95699585	99.98013259	99.98350226	99.93646021	99.81966587	99.72671364	99.78081623
ADV1013162	2/14/2025	4.893	2/14/2030	100.01224	100.0439932	99.97256263	99.98901598	99.98058198	99.93374338	99.83497324	99.73358091	99.82117024
ADV1013251	2/19/2025	4.898	2/19/2030	100.01225	100.0578644	99.99121724	100.0074626	99.99693957	99.94874622	99.84948493	99.74848954	99.85916203
ADV1014605	4/15/2025	4.991	1/15/2030	100.10921	100.0713008	100.0642648	100.0566537	100.0526166	100.0485709	100.0526451	100.0281527	100.0239408
ADV1014597	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014821	4/23/2025	5.011	4/22/2030	100.12254	100.0810108	100.0736444	100.0653312	100.0607441	100.0567859	100.0609368	100.047242	100.0370783
ADV1014712	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036

	Parallel-Shift Sensitivity Analysis											
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REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014611	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014736	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014466	4/8/2025	4.931	8/15/2028	100.09482	100.0908966	100.0870171	100.0826383	100.0777663	100.0715924	100.0462294	99.99937888	99.95796621
ADV1014608	4/15/2025	4.981	10/15/2029	100.07916	100.0654811	100.0616196	100.0557156	100.0516787	100.0474852	100.0499172	100.0183657	100.0064002
ADV1014733	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1013687	3/6/2025	4.809	2/15/2028	100.06993	100.0243357	99.97751481	99.98197115	99.97444173	99.95287038	99.90655706	99.85071589	99.80954829
ADV1014720	4/21/2025	4.996	7/20/2029	100.08651	100.0761181	100.0685934	100.0637718	100.0595649	100.0551556	100.0549687	100.0539237	100.0392766
ADV1014728	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014710	4/21/2025	4.929	4/20/2028	100.06837	100.0623003	100.0585266	100.0545471	100.0503636	100.0459778	100.0413976	100.0235791	100.0146655
ADV1014730	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014739	4/21/2025	4.997	4/20/2029	100.08498	100.072082	100.0682644	100.0639095	100.0597022	100.0552926	100.0539776	100.0520322	100.0412
ADV1014740	4/21/2025	4.997	4/20/2029	100.08498	100.072082	100.0682644	100.0639095	100.0597022	100.0552926	100.0539776	100.0520322	100.0412
ADV1014484	4/9/2025	5.049	4/17/2028	100.08156	100.07527	100.071008	100.0670581	100.0629329	100.0586339	100.054163	100.0501115	100.0447062
ADV1014820	4/23/2025	4.906	4/24/2028	100.06806	100.0630396	100.0582539	100.0541351	100.0498586	100.0454483	100.0335724	99.99928766	99.96936404
ADV1014819	4/23/2025	4.878	10/25/2027	100.06363	100.0583313	100.0540794	100.0500486	100.0457825	100.0412831	100.0340895	100.0051388	99.98406461
ADV1014738	4/21/2025	5.036	1/22/2030	100.09362	100.0780431	100.0757902	100.0687231	100.0645077	100.0602514	100.0625161	100.061371	100.0475534
ADV1014612	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014869	4/24/2025	4.841	5/7/2027	100.06909	100.0649147	100.0610309	100.0567442	100.0520591	100.0457086	100.0217721	99.98526329	99.95736358
ADV1014607	4/15/2025	4.981	10/15/2029	100.07916	100.0654811	100.0616196	100.0557156	100.0516787	100.0474852	100.0499172	100.0183657	100.0064002
ADV1014735	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014609	4/15/2025	4.924	7/17/2028	100.0626	100.056421	100.0528047	100.0488534	100.0448325	100.0408131	100.0317497	99.99476493	99.9531313
ADV1014771	4/22/2025	5.04	4/22/2030	100.1285	100.0885072	100.0800166	100.0717614	100.0672065	100.063042	100.0656165	100.0652236	100.0504567
ADV1014734	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014721	4/21/2025	4.996	7/20/2029	100.08651	100.0761181	100.0685934	100.0637718	100.0595649	100.0551556	100.0549687	100.0539237	100.0392766
ADV1013887	3/14/2025	4.883	10/15/2029	100.06855	100.0487436	99.98362382	100.0456113	99.9973056	99.93816889	99.84507608	99.74677677	99.78438904
ADV1014729	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014709	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014598	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014707	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1013957	3/18/2025	4.848	10/17/2028	100.05472	100.0130273	99.95222016	99.9565631	99.94506013	99.91504305	99.94130777	99.7813069	99.73021159
ADV1014724	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014726	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014610	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116

	Parallel-Shift Sensitivity Analysis											
8/31/2025				Price								
REFERENCE	SETTLEMENT	Rate	MATURITY	-400	-300	-200	-100	Base	100	200	300	400
ADV1014708	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014737	4/21/2025	5.022	1/22/2030	100.11827	100.0790664	100.0754317	100.0680308	100.0637863	100.0594862	100.0619766	100.0610266	100.0473036
ADV1014601	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014711	4/21/2025	4.915	1/20/2028	100.06627	100.0605074	100.0565941	100.0526195	100.0484409	100.04406	100.0397479	100.0291569	100.0237427
ADV1014599	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014714	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014602	4/15/2025	5	4/15/2030	100.11229	100.0728418	100.0660899	100.0578893	100.0534309	100.0496873	100.0541198	100.0189623	100.0130116
ADV1014727	4/21/2025	5.022	1/22/2030	100.11725	100.077604	100.0741714	100.0667955	100.062585	100.058329	100.0608307	100.0598905	100.0462036
ADV1014604	4/15/2025	4.894	1/18/2028	100.05832	100.0526847	100.0489899	100.0451361	100.0411246	100.0369566	100.0319118	100.0077588	99.99872636
ADV1014032	3/21/2025	4.879	4/20/2029	100.06653	100.0635667	100.0048429	100.0124042	99.99930641	99.97141818	99.88371677	99.79637195	99.77855204
ADV1014716	4/21/2025	4.981	4/20/2029	100.0825	100.0699808	100.0660755	100.0617066	100.0575049	100.0531009	100.0515966	100.042814	100.0296064
ADV1015945	5/28/2025	4.99	5/24/2030	100.21419	100.1891884	100.1127668	100.1081307	100.1028072	100.096664	100.0594016	99.98965874	99.95718754
ADV1016174	6/4/2025	4.871	7/3/2028	100.14008	100.1079117	100.0681238	100.0738315	100.0578715	100.0199086	99.95748463	99.88468652	99.82698138
ADV1016465	6/16/2025	4.862	7/3/2028	100.13772	100.0883556	100.0467877	100.049317	100.0340649	99.99797351	99.93682389	99.86427435	99.80410464
ADV1015924	5/28/2025	4.99	5/28/2030	100.19465	100.176291	100.0978677	100.0934736	100.0885862	100.0837417	100.0504375	99.98364313	99.95498228
ADV1016172	6/4/2025	4.871	7/3/2028	100.14008	100.1079117	100.0681238	100.0738315	100.0578715	100.0199086	99.95748463	99.88468652	99.82698138
ADV1015174	5/2/2025	4.933	6/1/2028	100.10827	100.1025958	100.098698	100.0940678	100.0887159	100.0797402	100.0464639	99.99410023	99.95905835
ADV1016175	6/4/2025	4.871	7/3/2028	100.14008	100.1079117	100.0681238	100.0738315	100.0578715	100.0199086	99.95748463	99.88468652	99.82698138
ADV1015757	5/22/2025	4.912	6/1/2028	100.10365	100.0972475	100.0933633	100.0887465	100.0834081	100.0640703	100.0151178	99.95277533	99.90721464
ADV1016975	7/1/2025	4.887	7/3/2028	100.1452	100.1375934	100.104162	100.1099739	100.0948348	100.055648	99.99275225	99.92219772	99.86838571
ADV1017601	7/28/2025	4.88	7/28/2028	100.17364	100.1216235	100.0817562	100.0875574	100.0718022	100.0332437	99.96973433	99.89723632	99.84488146
ADV1016977	7/1/2025	4.887	7/3/2028	100.1452	100.1375934	100.104162	100.1099739	100.0948348	100.055648	99.99275225	99.92219772	99.86838571
ADV1017448	7/21/2025	4.894	8/1/2028	100.20115	100.1450203	100.1173912	100.1245024	100.1071283	100.06597	100.0016218	99.9306303	99.86883643
ADV1018241	8/19/2025	4.954	8/19/2030	100.29174	100.1570181	100.1314401	100.1640206	100.1535428	100.1082635	100.0273189	99.94992037	99.94610534
ADV1016976	7/1/2025	4.887	7/3/2028	100.1452	100.1375934	100.104162	100.1099739	100.0948348	100.055648	99.99275225	99.92219772	99.86838571
ADV1018006	8/11/2025	4.914	9/1/2028	100.21858	100.1375445	100.103829	100.1127803	100.0988581	100.0593222	99.99490508	99.92218112	99.86270427
ADV1017518	7/23/2025	4.877	8/1/2028	100.19557	100.1107183	100.0723509	100.0778135	100.0624706	100.0248967	99.96112457	99.88751743	99.82427939
ADV1017170	7/10/2025	4.896	8/1/2028	100.20192	100.1490155	100.1224011	100.1296878	100.1120766	100.0702354	100.0062742	99.93403885	99.87391894