

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security:			3-5/8% 30-Year TIPS	3-7/8% 30-Year TIPS	3-3/8% 30-1/2-Year TIPS	2-3/8% 20-1/2-Year TIPS
Description:			TIPS of April 2028	TIPS of April 2029	TIPS of April 2032	TIPS of January 2025
CUSIP Number:			912810FD5	912810FH6	912810FQ6	912810FR4
Dated Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 15, 2004
Original Issue Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 30, 2004
Additional Issue Date(s):			July 15, 1998	October 15, 1999 October 16, 2000		January 31, 2005 July 29, 2005
Maturity Date:			April 15, 2028	April 15, 2029	April 15, 2032	January 15, 2025
Ref CPI on Dated Date:			161.74000	164.39333	177.50000	188.49677
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.75415	1.72584	1.59840	1.50515	
May 2 2022	283.83819	1.75490	1.72658	1.59909	1.50580	
May 3 2022	283.96039	1.75566	1.72732	1.59978	1.50645	
May 4 2022	284.08258	1.75642	1.72807	1.60047	1.50710	
May 5 2022	284.20477	1.75717	1.72881	1.60115	1.50774	
May 6 2022	284.32697	1.75793	1.72955	1.60184	1.50839	
May 7 2022	284.44916	1.75868	1.73030	1.60253	1.50904	
May 8 2022	284.57135	1.75944	1.73104	1.60322	1.50969	
May 9 2022	284.69355	1.76019	1.73178	1.60391	1.51034	
May 10 2022	284.81574	1.76095	1.73253	1.60460	1.51098	
May 11 2022	284.93794	1.76170	1.73327	1.60528	1.51163	
May 12 2022	285.06013	1.76246	1.73401	1.60597	1.51228	
May 13 2022	285.18232	1.76321	1.73476	1.60666	1.51293	
May 14 2022	285.30452	1.76397	1.73550	1.60735	1.51358	
May 15 2022	285.42671	1.76473	1.73624	1.60804	1.51423	
May 16 2022	285.54890	1.76548	1.73699	1.60873	1.51487	
May 17 2022	285.67110	1.76624	1.73773	1.60941	1.51552	
May 18 2022	285.79329	1.76699	1.73847	1.61010	1.51617	
May 19 2022	285.91548	1.76775	1.73922	1.61079	1.51682	
May 20 2022	286.03768	1.76850	1.73996	1.61148	1.51747	
May 21 2022	286.15987	1.76926	1.74070	1.61217	1.51812	
May 22 2022	286.28206	1.77001	1.74145	1.61286	1.51876	
May 23 2022	286.40426	1.77077	1.74219	1.61355	1.51941	
May 24 2022	286.52645	1.77152	1.74293	1.61423	1.52006	
May 25 2022	286.64865	1.77228	1.74368	1.61492	1.52071	
May 26 2022	286.77084	1.77304	1.74442	1.61561	1.52136	
May 27 2022	286.89303	1.77379	1.74516	1.61630	1.52201	
May 28 2022	287.01523	1.77455	1.74591	1.61699	1.52265	
May 29 2022	287.13742	1.77530	1.74665	1.61768	1.52330	
May 30 2022	287.25961	1.77606	1.74739	1.61836	1.52395	
May 31 2022	287.38181	1.77681	1.74814	1.61905	1.52460	
CPI-U (NSA) for:			January 2022 281.148	February 2022 283.716	March 2022 287.504	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
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May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2% 20-Year TIPS TIPS of January 2026 912810FS2 January 15, 2006 January 31, 2006 July 31, 2006	2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007	1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008	2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2027 201.66452	January 15, 2028 209.49645	January 15, 2029 214.69971
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.42946	1.40687	1.35428	1.32145	
May 2 2022	283.83819	1.43008	1.40748	1.35486	1.32202	
May 3 2022	283.96039	1.43069	1.40808	1.35544	1.32259	
May 4 2022	284.08258	1.43131	1.40869	1.35603	1.32316	
May 5 2022	284.20477	1.43192	1.40929	1.35661	1.32373	
May 6 2022	284.32697	1.43254	1.40990	1.35719	1.32430	
May 7 2022	284.44916	1.43316	1.41051	1.35778	1.32487	
May 8 2022	284.57135	1.43377	1.41111	1.35836	1.32544	
May 9 2022	284.69355	1.43439	1.41172	1.35894	1.32601	
May 10 2022	284.81574	1.43500	1.41232	1.35953	1.32658	
May 11 2022	284.93794	1.43562	1.41293	1.36011	1.32715	
May 12 2022	285.06013	1.43623	1.41354	1.36069	1.32772	
May 13 2022	285.18232	1.43685	1.41414	1.36128	1.32828	
May 14 2022	285.30452	1.43747	1.41475	1.36186	1.32885	
May 15 2022	285.42671	1.43808	1.41535	1.36244	1.32942	
May 16 2022	285.54890	1.43870	1.41596	1.36303	1.32999	
May 17 2022	285.67110	1.43931	1.41657	1.36361	1.33056	
May 18 2022	285.79329	1.43993	1.41717	1.36419	1.33113	
May 19 2022	285.91548	1.44054	1.41778	1.36477	1.33170	
May 20 2022	286.03768	1.44116	1.41838	1.36536	1.33227	
May 21 2022	286.15987	1.44178	1.41899	1.36594	1.33284	
May 22 2022	286.28206	1.44239	1.41960	1.36652	1.33341	
May 23 2022	286.40426	1.44301	1.42020	1.36711	1.33398	
May 24 2022	286.52645	1.44362	1.42081	1.36769	1.33455	
May 25 2022	286.64865	1.44424	1.42141	1.36827	1.33511	
May 26 2022	286.77084	1.44485	1.42202	1.36886	1.33568	
May 27 2022	286.89303	1.44547	1.42263	1.36944	1.33625	
May 28 2022	287.01523	1.44609	1.42323	1.37002	1.33682	
May 29 2022	287.13742	1.44670	1.42384	1.37061	1.33739	
May 30 2022	287.25961	1.44732	1.42444	1.37119	1.33796	
May 31 2022	287.38181	1.44793	1.42505	1.37177	1.33853	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2-1/8% 30-Year TIPS TIPS of February 2040 912810QF8 February 15, 2010 February 26, 2010 August 31, 2010	2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 2011	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-1/8% 10-Year TIPS Series D-2022 912828TE0 July 15, 2012 July 31, 2012 September 28, 2012 November 30, 2012
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	February 15, 2042 225.96062	July 15, 2022 229.96306
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.31265	1.29556	1.25560	1.23375	
May 2 2022	283.83819	1.31322	1.29612	1.25614	1.23428	
May 3 2022	283.96039	1.31378	1.29668	1.25668	1.23481	
May 4 2022	284.08258	1.31435	1.29723	1.25722	1.23534	
May 5 2022	284.20477	1.31491	1.29779	1.25776	1.23587	
May 6 2022	284.32697	1.31548	1.29835	1.25830	1.23640	
May 7 2022	284.44916	1.31604	1.29891	1.25884	1.23693	
May 8 2022	284.57135	1.31661	1.29947	1.25938	1.23747	
May 9 2022	284.69355	1.31718	1.30002	1.25993	1.23800	
May 10 2022	284.81574	1.31774	1.30058	1.26047	1.23853	
May 11 2022	284.93794	1.31831	1.30114	1.26101	1.23906	
May 12 2022	285.06013	1.31887	1.30170	1.26155	1.23959	
May 13 2022	285.18232	1.31944	1.30226	1.26209	1.24012	
May 14 2022	285.30452	1.32000	1.30281	1.26263	1.24065	
May 15 2022	285.42671	1.32057	1.30337	1.26317	1.24119	
May 16 2022	285.54890	1.32113	1.30393	1.26371	1.24172	
May 17 2022	285.67110	1.32170	1.30449	1.26425	1.24225	
May 18 2022	285.79329	1.32226	1.30505	1.26479	1.24278	
May 19 2022	285.91548	1.32283	1.30560	1.26533	1.24331	
May 20 2022	286.03768	1.32339	1.30616	1.26587	1.24384	
May 21 2022	286.15987	1.32396	1.30672	1.26641	1.24437	
May 22 2022	286.28206	1.32452	1.30728	1.26696	1.24490	
May 23 2022	286.40426	1.32509	1.30784	1.26750	1.24544	
May 24 2022	286.52645	1.32566	1.30839	1.26804	1.24597	
May 25 2022	286.64865	1.32622	1.30895	1.26858	1.24650	
May 26 2022	286.77084	1.32679	1.30951	1.26912	1.24703	
May 27 2022	286.89303	1.32735	1.31007	1.26966	1.24756	
May 28 2022	287.01523	1.32792	1.31063	1.27020	1.24809	
May 29 2022	287.13742	1.32848	1.31118	1.27074	1.24862	
May 30 2022	287.25961	1.32905	1.31174	1.27128	1.24916	
May 31 2022	287.38181	1.32961	1.31230	1.27182	1.24969	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series A-2023 912828UH1 January 15, 2013 January 31, 2013 March 28, 2013 May 31, 2013	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013	0-3/8% 10-Year TIPS Series D-2023 912828VM9 July 15, 2013 July 31, 2013 September 30, 2013 November 29, 2013	0-5/8% 10-Year TIPS Series A-2024 912828B25 January 15, 2014 January 31, 2014 March 31, 2014 May 30, 2014
Maturity Date: Ref CPI on Dated Date:			January 15, 2023 230.82203	February 15, 2043 229.91100	July 15, 2023 232.71797	January 15, 2024 233.33058
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.22915	1.23403	1.21914	1.21594	
May 2 2022	283.83819	1.22968	1.23456	1.21967	1.21646	
May 3 2022	283.96039	1.23021	1.23509	1.22019	1.21699	
May 4 2022	284.08258	1.23074	1.23562	1.22072	1.21751	
May 5 2022	284.20477	1.23127	1.23615	1.22124	1.21803	
May 6 2022	284.32697	1.23180	1.23668	1.22177	1.21856	
May 7 2022	284.44916	1.23233	1.23721	1.22229	1.21908	
May 8 2022	284.57135	1.23286	1.23775	1.22282	1.21961	
May 9 2022	284.69355	1.23339	1.23828	1.22334	1.22013	
May 10 2022	284.81574	1.23392	1.23881	1.22387	1.22065	
May 11 2022	284.93794	1.23445	1.23934	1.22439	1.22118	
May 12 2022	285.06013	1.23498	1.23987	1.22492	1.22170	
May 13 2022	285.18232	1.23551	1.24040	1.22544	1.22222	
May 14 2022	285.30452	1.23604	1.24093	1.22597	1.22275	
May 15 2022	285.42671	1.23657	1.24147	1.22649	1.22327	
May 16 2022	285.54890	1.23710	1.24200	1.22702	1.22380	
May 17 2022	285.67110	1.23762	1.24253	1.22754	1.22432	
May 18 2022	285.79329	1.23815	1.24306	1.22807	1.22484	
May 19 2022	285.91548	1.23868	1.24359	1.22859	1.22537	
May 20 2022	286.03768	1.23921	1.24412	1.22912	1.22589	
May 21 2022	286.15987	1.23974	1.24465	1.22964	1.22641	
May 22 2022	286.28206	1.24027	1.24519	1.23017	1.22694	
May 23 2022	286.40426	1.24080	1.24572	1.23069	1.22746	
May 24 2022	286.52645	1.24133	1.24625	1.23122	1.22798	
May 25 2022	286.64865	1.24186	1.24678	1.23174	1.22851	
May 26 2022	286.77084	1.24239	1.24731	1.23227	1.22903	
May 27 2022	286.89303	1.24292	1.24784	1.23279	1.22956	
May 28 2022	287.01523	1.24345	1.24838	1.23332	1.23008	
May 29 2022	287.13742	1.24398	1.24891	1.23384	1.23060	
May 30 2022	287.25961	1.24451	1.24944	1.23437	1.23113	
May 31 2022	287.38181	1.24504	1.24997	1.23489	1.23165	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-3/8% 30-Year TIPS TIPS of February 2044 912810RF7 February 15, 2014 February 28, 2014 June 30, 2014 October 31, 2014	0-1/8% 10-Year TIPS Series D-2024 912828WU0 July 15, 2014 July 31, 2014 September 30, 2014 November 28, 2014	0-1/4% 10-Year TIPS Series A-2025 912828H45 January 15, 2015 January 30, 2015 March 31, 2015 May 29, 2015	0-3/4% 30-Year TIPS TIPS of February 2045 912810RL4 February 15, 2015 February 27, 2015 June 30, 2015 October 30, 2015
Maturity Date: Ref CPI on Dated Date:			February 15, 2044 233.05900	July 15, 2024 237.44594	January 15, 2025 236.85403	February 15, 2045 235.48150
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.21736	1.19487	1.19785	1.20483	
May 2 2022	283.83819	1.21788	1.19538	1.19837	1.20535	
May 3 2022	283.96039	1.21841	1.19589	1.19888	1.20587	
May 4 2022	284.08258	1.21893	1.19641	1.19940	1.20639	
May 5 2022	284.20477	1.21945	1.19692	1.19992	1.20691	
May 6 2022	284.32697	1.21998	1.19744	1.20043	1.20743	
May 7 2022	284.44916	1.22050	1.19795	1.20095	1.20795	
May 8 2022	284.57135	1.22103	1.19847	1.20146	1.20847	
May 9 2022	284.69355	1.22155	1.19898	1.20198	1.20898	
May 10 2022	284.81574	1.22208	1.19950	1.20249	1.20950	
May 11 2022	284.93794	1.22260	1.20001	1.20301	1.21002	
May 12 2022	285.06013	1.22312	1.20053	1.20353	1.21054	
May 13 2022	285.18232	1.22365	1.20104	1.20404	1.21106	
May 14 2022	285.30452	1.22417	1.20156	1.20456	1.21158	
May 15 2022	285.42671	1.22470	1.20207	1.20507	1.21210	
May 16 2022	285.54890	1.22522	1.20258	1.20559	1.21262	
May 17 2022	285.67110	1.22575	1.20310	1.20611	1.21314	
May 18 2022	285.79329	1.22627	1.20361	1.20662	1.21365	
May 19 2022	285.91548	1.22679	1.20413	1.20714	1.21417	
May 20 2022	286.03768	1.22732	1.20464	1.20765	1.21469	
May 21 2022	286.15987	1.22784	1.20516	1.20817	1.21521	
May 22 2022	286.28206	1.22837	1.20567	1.20869	1.21573	
May 23 2022	286.40426	1.22889	1.20619	1.20920	1.21625	
May 24 2022	286.52645	1.22942	1.20670	1.20972	1.21677	
May 25 2022	286.64865	1.22994	1.20722	1.21023	1.21729	
May 26 2022	286.77084	1.23046	1.20773	1.21075	1.21781	
May 27 2022	286.89303	1.23099	1.20825	1.21127	1.21833	
May 28 2022	287.01523	1.23151	1.20876	1.21178	1.21884	
May 29 2022	287.13742	1.23204	1.20927	1.21230	1.21936	
May 30 2022	287.25961	1.23256	1.20979	1.21281	1.21988	
May 31 2022	287.38181	1.23309	1.21030	1.21333	1.22040	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

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May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-3/8% 10-Year TIPS Series D-2025 912828XL9 July 15, 2015 July 31, 2015 September 30, 2015 November 30, 2015	0-5/8% 10-Year TIPS Series A-2026 912828N71 January 15, 2016 January 29, 2016 March 31, 2016 May 31, 2016	1% 30-Year TIPS TIPS of February 2046 912810RR1 February 15, 2016 February 29, 2016 June 30, 2016 October 31, 2016	0-1/8% 10-Year TIPS Series D-2026 912828S50 July 15, 2016 July 29, 2016 September 30, 2016 November 30, 2016
Maturity Date: Ref CPI on Dated Date:			July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448	July 15, 2026 239.70132
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.19639	1.19403	1.19739	1.18362	
May 2 2022	283.83819	1.19690	1.19455	1.19791	1.18413	
May 3 2022	283.96039	1.19742	1.19506	1.19843	1.18464	
May 4 2022	284.08258	1.19793	1.19558	1.19894	1.18515	
May 5 2022	284.20477	1.19845	1.19609	1.19946	1.18566	
May 6 2022	284.32697	1.19897	1.19661	1.19997	1.18617	
May 7 2022	284.44916	1.19948	1.19712	1.20049	1.18668	
May 8 2022	284.57135	1.20000	1.19763	1.20100	1.18719	
May 9 2022	284.69355	1.20051	1.19815	1.20152	1.18770	
May 10 2022	284.81574	1.20103	1.19866	1.20204	1.18821	
May 11 2022	284.93794	1.20154	1.19918	1.20255	1.18872	
May 12 2022	285.06013	1.20206	1.19969	1.20307	1.18923	
May 13 2022	285.18232	1.20257	1.20021	1.20358	1.18974	
May 14 2022	285.30452	1.20309	1.20072	1.20410	1.19025	
May 15 2022	285.42671	1.20360	1.20123	1.20461	1.19076	
May 16 2022	285.54890	1.20412	1.20175	1.20513	1.19127	
May 17 2022	285.67110	1.20463	1.20226	1.20565	1.19178	
May 18 2022	285.79329	1.20515	1.20278	1.20616	1.19229	
May 19 2022	285.91548	1.20566	1.20329	1.20668	1.19280	
May 20 2022	286.03768	1.20618	1.20381	1.20719	1.19331	
May 21 2022	286.15987	1.20669	1.20432	1.20771	1.19382	
May 22 2022	286.28206	1.20721	1.20483	1.20822	1.19433	
May 23 2022	286.40426	1.20772	1.20535	1.20874	1.19484	
May 24 2022	286.52645	1.20824	1.20586	1.20926	1.19535	
May 25 2022	286.64865	1.20876	1.20638	1.20977	1.19586	
May 26 2022	286.77084	1.20927	1.20689	1.21029	1.19637	
May 27 2022	286.89303	1.20979	1.20740	1.21080	1.19688	
May 28 2022	287.01523	1.21030	1.20792	1.21132	1.19739	
May 29 2022	287.13742	1.21082	1.20843	1.21183	1.19790	
May 30 2022	287.25961	1.21133	1.20895	1.21235	1.19841	
May 31 2022	287.38181	1.21185	1.20946	1.21287	1.19892	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May	1	2022	283.71600	1.17452	1.17533	1.15983	1.15020	
May	2	2022	283.83819	1.17503	1.17584	1.16033	1.15070	
May	3	2022	283.96039	1.17553	1.17634	1.16083	1.15120	
May	4	2022	284.08258	1.17604	1.17685	1.16133	1.15169	
May	5	2022	284.20477	1.17654	1.17736	1.16183	1.15219	
May	6	2022	284.32697	1.17705	1.17786	1.16233	1.15268	
May	7	2022	284.44916	1.17755	1.17837	1.16283	1.15318	
May	8	2022	284.57135	1.17806	1.17887	1.16333	1.15367	
May	9	2022	284.69355	1.17857	1.17938	1.16383	1.15417	
May	10	2022	284.81574	1.17907	1.17989	1.16433	1.15466	
May	11	2022	284.93794	1.17958	1.18039	1.16483	1.15516	
May	12	2022	285.06013	1.18008	1.18090	1.16533	1.15565	
May	13	2022	285.18232	1.18059	1.18141	1.16583	1.15615	
May	14	2022	285.30452	1.18110	1.18191	1.16632	1.15664	
May	15	2022	285.42671	1.18160	1.18242	1.16682	1.15714	
May	16	2022	285.54890	1.18211	1.18292	1.16732	1.15764	
May	17	2022	285.67110	1.18261	1.18343	1.16782	1.15813	
May	18	2022	285.79329	1.18312	1.18394	1.16832	1.15863	
May	19	2022	285.91548	1.18362	1.18444	1.16882	1.15912	
May	20	2022	286.03768	1.18413	1.18495	1.16932	1.15962	
May	21	2022	286.15987	1.18464	1.18545	1.16982	1.16011	
May	22	2022	286.28206	1.18514	1.18596	1.17032	1.16061	
May	23	2022	286.40426	1.18565	1.18647	1.17082	1.16110	
May	24	2022	286.52645	1.18615	1.18697	1.17132	1.16160	
May	25	2022	286.64865	1.18666	1.18748	1.17182	1.16209	
May	26	2022	286.77084	1.18717	1.18799	1.17232	1.16259	
May	27	2022	286.89303	1.18767	1.18849	1.17282	1.16308	
May	28	2022	287.01523	1.18818	1.18900	1.17332	1.16358	
May	29	2022	287.13742	1.18868	1.18950	1.17382	1.16408	
May	30	2022	287.25961	1.18919	1.19001	1.17432	1.16457	
May	31	2022	287.38181	1.18970	1.19052	1.17482	1.16507	
CPI-U (NSA) for:			January 2022	281.148	February 2022	283.716	March 2022	287.504

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1% 30-Year TIPS TIPS of February 2048 912810SB5 February 15, 2018 February 28, 2018 June 29, 2018 October 31, 2018	0-5/8% 5-Year TIPS Series X-2023 9128284H0 April 15, 2018 April 30, 2018 August 31, 2018 December 31, 2018	0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018	0-7/8% 10-Year TIPS Series A-2029 9128285W6 January 15, 2019 January 31, 2019 March 29, 2019 May 31, 2019
Maturity Date: Ref CPI on Dated Date:			February 15, 2048 246.59650	April 15, 2023 248.39153	July 15, 2028 251.01658	January 15, 2029 252.50248
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.15053	1.14221	1.13027	1.12362	
May 2 2022	283.83819	1.15102	1.14270	1.13075	1.12410	
May 3 2022	283.96039	1.15152	1.14320	1.13124	1.12458	
May 4 2022	284.08258	1.15201	1.14369	1.13173	1.12507	
May 5 2022	284.20477	1.15251	1.14418	1.13222	1.12555	
May 6 2022	284.32697	1.15300	1.14467	1.13270	1.12604	
May 7 2022	284.44916	1.15350	1.14516	1.13319	1.12652	
May 8 2022	284.57135	1.15400	1.14566	1.13368	1.12700	
May 9 2022	284.69355	1.15449	1.14615	1.13416	1.12749	
May 10 2022	284.81574	1.15499	1.14664	1.13465	1.12797	
May 11 2022	284.93794	1.15548	1.14713	1.13514	1.12846	
May 12 2022	285.06013	1.15598	1.14762	1.13562	1.12894	
May 13 2022	285.18232	1.15647	1.14812	1.13611	1.12942	
May 14 2022	285.30452	1.15697	1.14861	1.13660	1.12991	
May 15 2022	285.42671	1.15746	1.14910	1.13708	1.13039	
May 16 2022	285.54890	1.15796	1.14959	1.13757	1.13088	
May 17 2022	285.67110	1.15846	1.15008	1.13806	1.13136	
May 18 2022	285.79329	1.15895	1.15058	1.13854	1.13184	
May 19 2022	285.91548	1.15945	1.15107	1.13903	1.13233	
May 20 2022	286.03768	1.15994	1.15156	1.13952	1.13281	
May 21 2022	286.15987	1.16044	1.15205	1.14000	1.13330	
May 22 2022	286.28206	1.16093	1.15254	1.14049	1.13378	
May 23 2022	286.40426	1.16143	1.15304	1.14098	1.13426	
May 24 2022	286.52645	1.16192	1.15353	1.14146	1.13475	
May 25 2022	286.64865	1.16242	1.15402	1.14195	1.13523	
May 26 2022	286.77084	1.16292	1.15451	1.14244	1.13571	
May 27 2022	286.89303	1.16341	1.15500	1.14292	1.13620	
May 28 2022	287.01523	1.16391	1.15550	1.14341	1.13668	
May 29 2022	287.13742	1.16440	1.15599	1.14390	1.13717	
May 30 2022	287.25961	1.16490	1.15648	1.14439	1.13765	
May 31 2022	287.38181	1.16539	1.15697	1.14487	1.13813	
CPI-U (NSA) for:	January 2022	281.148	February 2022	283.716	March 2022	287.504

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019	0-1/2% 5-Year TIPS Series X-2024 9128286N5 April 15, 2019 April 30, 2019 June 28, 2019	0-1/4% 10-Year TIPS Series D-2029 9128287D6 July 15, 2019 July 31, 2019 September 30, 2019 November 29, 2019	0-1/8% 5-Year TIPS Series AE-2024 912828YL8 October 15, 2019 October 31, 2019 December 31, 2019
Maturity Date: Ref CPI on Dated Date:			February 15, 2049 251.63550	April 15, 2024 252.20853	July 15, 2029 255.79368	October 15, 2024 256.56513
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.12749	1.12493	1.10916	1.10582	
May 2 2022	283.83819	1.12797	1.12541	1.10964	1.10630	
May 3 2022	283.96039	1.12846	1.12590	1.11011	1.10678	
May 4 2022	284.08258	1.12894	1.12638	1.11059	1.10725	
May 5 2022	284.20477	1.12943	1.12686	1.11107	1.10773	
May 6 2022	284.32697	1.12992	1.12735	1.11155	1.10821	
May 7 2022	284.44916	1.13040	1.12783	1.11203	1.10868	
May 8 2022	284.57135	1.13089	1.12832	1.11250	1.10916	
May 9 2022	284.69355	1.13137	1.12880	1.11298	1.10963	
May 10 2022	284.81574	1.13186	1.12929	1.11346	1.11011	
May 11 2022	284.93794	1.13234	1.12977	1.11394	1.11059	
May 12 2022	285.06013	1.13283	1.13026	1.11441	1.11106	
May 13 2022	285.18232	1.13332	1.13074	1.11489	1.11154	
May 14 2022	285.30452	1.13380	1.13122	1.11537	1.11202	
May 15 2022	285.42671	1.13429	1.13171	1.11585	1.11249	
May 16 2022	285.54890	1.13477	1.13219	1.11633	1.11297	
May 17 2022	285.67110	1.13526	1.13268	1.11680	1.11344	
May 18 2022	285.79329	1.13574	1.13316	1.11728	1.11392	
May 19 2022	285.91548	1.13623	1.13365	1.11776	1.11440	
May 20 2022	286.03768	1.13671	1.13413	1.11824	1.11487	
May 21 2022	286.15987	1.13720	1.13462	1.11871	1.11535	
May 22 2022	286.28206	1.13769	1.13510	1.11919	1.11583	
May 23 2022	286.40426	1.13817	1.13559	1.11967	1.11630	
May 24 2022	286.52645	1.13866	1.13607	1.12015	1.11678	
May 25 2022	286.64865	1.13914	1.13655	1.12062	1.11725	
May 26 2022	286.77084	1.13963	1.13704	1.12110	1.11773	
May 27 2022	286.89303	1.14011	1.13752	1.12158	1.11821	
May 28 2022	287.01523	1.14060	1.13801	1.12206	1.11868	
May 29 2022	287.13742	1.14108	1.13849	1.12254	1.11916	
May 30 2022	287.25961	1.14157	1.13898	1.12301	1.11964	
May 31 2022	287.38181	1.14206	1.13946	1.12349	1.12011	
CPI-U (NSA) for:			January 2022 281.148	February 2022 283.716	March 2022 287.504	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series A-2030 912828Z37 January 15, 2020 January 31, 2020 March 31, 2020 May 29, 2020	0-1/4% 30-Year TIPS TIPS of February 2050 912810SM1 February 15, 2020 February 28, 2020 August 31, 2020	0-1/8% 5-Year TIPS Series X-2025 912828ZJ2 April 15, 2020 April 30, 2020 June 30, 2020 July 13, 2020	0-1/8% 10-Year TIPS Series D-2030 912828ZZ6 July 15, 2020 July 31, 2020 September 30, 2020 November 30, 2020
Maturity Date: Ref CPI on Dated Date:			January 15, 2030 257.28368	February 15, 2050 257.09503	April 15, 2025 258.30093	July 15, 2030 256.39126
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.10274	1.10355	1.09839	1.10657	
May 2 2022	283.83819	1.10321	1.10402	1.09887	1.10705	
May 3 2022	283.96039	1.10369	1.10450	1.09934	1.10753	
May 4 2022	284.08258	1.10416	1.10497	1.09981	1.10800	
May 5 2022	284.20477	1.10464	1.10545	1.10029	1.10848	
May 6 2022	284.32697	1.10511	1.10592	1.10076	1.10896	
May 7 2022	284.44916	1.10559	1.10640	1.10123	1.10943	
May 8 2022	284.57135	1.10606	1.10687	1.10170	1.10991	
May 9 2022	284.69355	1.10654	1.10735	1.10218	1.11039	
May 10 2022	284.81574	1.10701	1.10782	1.10265	1.11086	
May 11 2022	284.93794	1.10749	1.10830	1.10312	1.11134	
May 12 2022	285.06013	1.10796	1.10877	1.10360	1.11182	
May 13 2022	285.18232	1.10844	1.10925	1.10407	1.11229	
May 14 2022	285.30452	1.10891	1.10972	1.10454	1.11277	
May 15 2022	285.42671	1.10939	1.11020	1.10502	1.11325	
May 16 2022	285.54890	1.10986	1.11067	1.10549	1.11372	
May 17 2022	285.67110	1.11034	1.11115	1.10596	1.11420	
May 18 2022	285.79329	1.11081	1.11163	1.10644	1.11468	
May 19 2022	285.91548	1.11128	1.11210	1.10691	1.11515	
May 20 2022	286.03768	1.11176	1.11258	1.10738	1.11563	
May 21 2022	286.15987	1.11223	1.11305	1.10785	1.11611	
May 22 2022	286.28206	1.11271	1.11353	1.10833	1.11658	
May 23 2022	286.40426	1.11318	1.11400	1.10880	1.11706	
May 24 2022	286.52645	1.11366	1.11448	1.10927	1.11754	
May 25 2022	286.64865	1.11413	1.11495	1.10975	1.11801	
May 26 2022	286.77084	1.11461	1.11543	1.11022	1.11849	
May 27 2022	286.89303	1.11508	1.11590	1.11069	1.11897	
May 28 2022	287.01523	1.11556	1.11638	1.11117	1.11944	
May 29 2022	287.13742	1.11603	1.11685	1.11164	1.11992	
May 30 2022	287.25961	1.11651	1.11733	1.11211	1.12040	
May 31 2022	287.38181	1.11698	1.11780	1.11259	1.12087	
CPI-U (NSA) for:			January 2022 281.148	February 2022 283.716	March 2022 287.504	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series AE-2025 91282CAQ4 October 15, 2020 October 30, 2020 December 31, 2020	0-1/8% 10-Year TIPS Series A-2031 91282CBF7 January 15, 2021 January 29, 2021 March 31, 2021 May 28, 2021	0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021	0-1/8% 5-Year TIPS Series X-2026 91282CCA7 April 15, 2021 April 30, 2021 June 30, 2021
Maturity Date: Ref CPI on Dated Date:			October 15, 2025 259.46997	January 15, 2031 260.31619	February 15, 2051 260.35150	April 15, 2026 262.25027
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.09344	1.08989	1.08974	1.08185	
May 2 2022	283.83819	1.09392	1.09036	1.09021	1.08232	
May 3 2022	283.96039	1.09439	1.09083	1.09068	1.08278	
May 4 2022	284.08258	1.09486	1.09130	1.09115	1.08325	
May 5 2022	284.20477	1.09533	1.09177	1.09162	1.08372	
May 6 2022	284.32697	1.09580	1.09224	1.09209	1.08418	
May 7 2022	284.44916	1.09627	1.09271	1.09256	1.08465	
May 8 2022	284.57135	1.09674	1.09318	1.09303	1.08511	
May 9 2022	284.69355	1.09721	1.09365	1.09350	1.08558	
May 10 2022	284.81574	1.09768	1.09411	1.09397	1.08605	
May 11 2022	284.93794	1.09815	1.09458	1.09444	1.08651	
May 12 2022	285.06013	1.09862	1.09505	1.09490	1.08698	
May 13 2022	285.18232	1.09910	1.09552	1.09537	1.08744	
May 14 2022	285.30452	1.09957	1.09599	1.09584	1.08791	
May 15 2022	285.42671	1.10004	1.09646	1.09631	1.08838	
May 16 2022	285.54890	1.10051	1.09693	1.09678	1.08884	
May 17 2022	285.67110	1.10098	1.09740	1.09725	1.08931	
May 18 2022	285.79329	1.10145	1.09787	1.09772	1.08977	
May 19 2022	285.91548	1.10192	1.09834	1.09819	1.09024	
May 20 2022	286.03768	1.10239	1.09881	1.09866	1.09070	
May 21 2022	286.15987	1.10286	1.09928	1.09913	1.09117	
May 22 2022	286.28206	1.10333	1.09975	1.09960	1.09164	
May 23 2022	286.40426	1.10381	1.10022	1.10007	1.09210	
May 24 2022	286.52645	1.10428	1.10069	1.10054	1.09257	
May 25 2022	286.64865	1.10475	1.10116	1.10101	1.09303	
May 26 2022	286.77084	1.10522	1.10163	1.10148	1.09350	
May 27 2022	286.89303	1.10569	1.10209	1.10194	1.09397	
May 28 2022	287.01523	1.10616	1.10256	1.10241	1.09443	
May 29 2022	287.13742	1.10663	1.10303	1.10288	1.09490	
May 30 2022	287.25961	1.10710	1.10350	1.10335	1.09536	
May 31 2022	287.38181	1.10757	1.10397	1.10382	1.09583	
CPI-U (NSA) for:			January 2022 281.148	February 2022 283.716	March 2022 287.504	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series D-2031 91282CCM1 July 15, 2021 July 30, 2021 September 30, 2021 November 30, 2021	0-1/8% 5-Year TIPS Series AE-2026 91282CDC2 October 15, 2021 October 29, 2021 December 31, 2021	0-1/8% 10-Year TIPS Series A-2032 91282CDX6 January 15, 2022 January 31, 2022 March 31, 2022	0-1/8% 30-Year TIPS TIPS of February 2052 912810TE8 February 15, 2022 February 28, 2022
Maturity Date: Ref CPI on Dated Date:			July 15, 2031 268.02090	October 15, 2026 273.25771	January 15, 2032 277.20274	February 15, 2052 278.37500
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2022	283.71600	1.05856	1.03827	1.02350	1.01919	
May 2 2022	283.83819	1.05902	1.03872	1.02394	1.01963	
May 3 2022	283.96039	1.05947	1.03917	1.02438	1.02006	
May 4 2022	284.08258	1.05993	1.03961	1.02482	1.02050	
May 5 2022	284.20477	1.06038	1.04006	1.02526	1.02094	
May 6 2022	284.32697	1.06084	1.04051	1.02570	1.02138	
May 7 2022	284.44916	1.06129	1.04096	1.02614	1.02182	
May 8 2022	284.57135	1.06175	1.04140	1.02658	1.02226	
May 9 2022	284.69355	1.06221	1.04185	1.02702	1.02270	
May 10 2022	284.81574	1.06266	1.04230	1.02746	1.02314	
May 11 2022	284.93794	1.06312	1.04274	1.02790	1.02358	
May 12 2022	285.06013	1.06357	1.04319	1.02835	1.02401	
May 13 2022	285.18232	1.06403	1.04364	1.02879	1.02445	
May 14 2022	285.30452	1.06449	1.04409	1.02923	1.02489	
May 15 2022	285.42671	1.06494	1.04453	1.02967	1.02533	
May 16 2022	285.54890	1.06540	1.04498	1.03011	1.02577	
May 17 2022	285.67110	1.06585	1.04543	1.03055	1.02621	
May 18 2022	285.79329	1.06631	1.04587	1.03099	1.02665	
May 19 2022	285.91548	1.06677	1.04632	1.03143	1.02709	
May 20 2022	286.03768	1.06722	1.04677	1.03187	1.02753	
May 21 2022	286.15987	1.06768	1.04722	1.03231	1.02797	
May 22 2022	286.28206	1.06813	1.04766	1.03275	1.02840	
May 23 2022	286.40426	1.06859	1.04811	1.03319	1.02884	
May 24 2022	286.52645	1.06905	1.04856	1.03363	1.02928	
May 25 2022	286.64865	1.06950	1.04900	1.03408	1.02972	
May 26 2022	286.77084	1.06996	1.04945	1.03452	1.03016	
May 27 2022	286.89303	1.07041	1.04990	1.03496	1.03060	
May 28 2022	287.01523	1.07087	1.05035	1.03540	1.03104	
May 29 2022	287.13742	1.07132	1.05079	1.03584	1.03148	
May 30 2022	287.25961	1.07178	1.05124	1.03628	1.03192	
May 31 2022	287.38181	1.07224	1.05169	1.03672	1.03235	
CPI-U (NSA) for:			January 2022 281.148	February 2022 283.716	March 2022 287.504	