

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

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	
February 1 2024	307.05100	1.89842	1.86778	1.72986	1.62895	
February 2 2024	307.04048	1.89836	1.86772	1.72981	1.62889	
February 3 2024	307.02997	1.89829	1.86765	1.72975	1.62883	
February 4 2024	307.01945	1.89823	1.86759	1.72969	1.62878	
February 5 2024	307.00893	1.89816	1.86753	1.72963	1.62872	
February 6 2024	306.99841	1.89810	1.86746	1.72957	1.62867	
February 7 2024	306.98790	1.89803	1.86740	1.72951	1.62861	
February 8 2024	306.97738	1.89797	1.86733	1.72945	1.62856	
February 9 2024	306.96686	1.89790	1.86727	1.72939	1.62850	
February 10 2024	306.95634	1.89784	1.86721	1.72933	1.62844	
February 11 2024	306.94583	1.89777	1.86714	1.72927	1.62839	
February 12 2024	306.93531	1.89771	1.86708	1.72921	1.62833	
February 13 2024	306.92479	1.89764	1.86701	1.72915	1.62828	
February 14 2024	306.91428	1.89758	1.86695	1.72909	1.62822	
February 15 2024	306.90376	1.89751	1.86689	1.72904	1.62816	
February 16 2024	306.89324	1.89745	1.86682	1.72898	1.62811	
February 17 2024	306.88272	1.89738	1.86676	1.72892	1.62805	
February 18 2024	306.87221	1.89732	1.86670	1.72886	1.62800	
February 19 2024	306.86169	1.89725	1.86663	1.72880	1.62794	
February 20 2024	306.85117	1.89719	1.86657	1.72874	1.62789	
February 21 2024	306.84066	1.89712	1.86650	1.72868	1.62783	
February 22 2024	306.83014	1.89706	1.86644	1.72862	1.62777	
February 23 2024	306.81962	1.89699	1.86638	1.72856	1.62772	
February 24 2024	306.80910	1.89693	1.86631	1.72850	1.62766	
February 25 2024	306.79859	1.89686	1.86625	1.72844	1.62761	
February 26 2024	306.78807	1.89680	1.86618	1.72838	1.62755	
February 27 2024	306.77755	1.89673	1.86612	1.72832	1.62749	
February 28 2024	306.76703	1.89667	1.86606	1.72826	1.62744	
February 29 2024	306.75652	1.89660	1.86599	1.72821	1.62738	
CPI-U (NSA) for:			October 2023 307.671	November 2023 307.051	December 2023 306.746	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
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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	
February 1 2024	307.05100	1.54703	1.52258	1.46566	1.43014	
February 2 2024	307.04048	1.54698	1.52253	1.46561	1.43009	
February 3 2024	307.02997	1.54693	1.52248	1.46556	1.43004	
February 4 2024	307.01945	1.54687	1.52243	1.46551	1.42999	
February 5 2024	307.00893	1.54682	1.52237	1.46546	1.42995	
February 6 2024	306.99841	1.54677	1.52232	1.46541	1.42990	
February 7 2024	306.98790	1.54671	1.52227	1.46536	1.42985	
February 8 2024	306.97738	1.54666	1.52222	1.46531	1.42980	
February 9 2024	306.96686	1.54661	1.52217	1.46526	1.42975	
February 10 2024	306.95634	1.54656	1.52211	1.46521	1.42970	
February 11 2024	306.94583	1.54650	1.52206	1.46516	1.42965	
February 12 2024	306.93531	1.54645	1.52201	1.46511	1.42960	
February 13 2024	306.92479	1.54640	1.52196	1.46506	1.42955	
February 14 2024	306.91428	1.54634	1.52191	1.46501	1.42950	
February 15 2024	306.90376	1.54629	1.52185	1.46496	1.42946	
February 16 2024	306.89324	1.54624	1.52180	1.46491	1.42941	
February 17 2024	306.88272	1.54618	1.52175	1.46486	1.42936	
February 18 2024	306.87221	1.54613	1.52170	1.46481	1.42931	
February 19 2024	306.86169	1.54608	1.52164	1.46476	1.42926	
February 20 2024	306.85117	1.54603	1.52159	1.46471	1.42921	
February 21 2024	306.84066	1.54597	1.52154	1.46466	1.42916	
February 22 2024	306.83014	1.54592	1.52149	1.46461	1.42911	
February 23 2024	306.81962	1.54587	1.52144	1.46456	1.42906	
February 24 2024	306.80910	1.54581	1.52138	1.46451	1.42901	
February 25 2024	306.79859	1.54576	1.52133	1.46446	1.42897	
February 26 2024	306.78807	1.54571	1.52128	1.46441	1.42892	
February 27 2024	306.77755	1.54565	1.52123	1.46436	1.42887	
February 28 2024	306.76703	1.54560	1.52118	1.46431	1.42882	
February 29 2024	306.75652	1.54555	1.52112	1.46426	1.42877	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
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February 2024

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	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	February 15, 2042 225.96062	February 15, 2043 229.91100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.42061	1.40212	1.35887	1.33552	
February 2 2024	307.04048	1.42057	1.40207	1.35882	1.33548	
February 3 2024	307.02997	1.42052	1.40202	1.35878	1.33543	
February 4 2024	307.01945	1.42047	1.40197	1.35873	1.33538	
February 5 2024	307.00893	1.42042	1.40192	1.35868	1.33534	
February 6 2024	306.99841	1.42037	1.40188	1.35864	1.33529	
February 7 2024	306.98790	1.42032	1.40183	1.35859	1.33525	
February 8 2024	306.97738	1.42027	1.40178	1.35854	1.33520	
February 9 2024	306.96686	1.42023	1.40173	1.35850	1.33516	
February 10 2024	306.95634	1.42018	1.40168	1.35845	1.33511	
February 11 2024	306.94583	1.42013	1.40164	1.35840	1.33506	
February 12 2024	306.93531	1.42008	1.40159	1.35836	1.33502	
February 13 2024	306.92479	1.42003	1.40154	1.35831	1.33497	
February 14 2024	306.91428	1.41998	1.40149	1.35826	1.33493	
February 15 2024	306.90376	1.41993	1.40144	1.35822	1.33488	
February 16 2024	306.89324	1.41989	1.40140	1.35817	1.33483	
February 17 2024	306.88272	1.41984	1.40135	1.35812	1.33479	
February 18 2024	306.87221	1.41979	1.40130	1.35808	1.33474	
February 19 2024	306.86169	1.41974	1.40125	1.35803	1.33470	
February 20 2024	306.85117	1.41969	1.40120	1.35799	1.33465	
February 21 2024	306.84066	1.41964	1.40116	1.35794	1.33461	
February 22 2024	306.83014	1.41959	1.40111	1.35789	1.33456	
February 23 2024	306.81962	1.41954	1.40106	1.35785	1.33451	
February 24 2024	306.80910	1.41950	1.40101	1.35780	1.33447	
February 25 2024	306.79859	1.41945	1.40096	1.35775	1.33442	
February 26 2024	306.78807	1.41940	1.40092	1.35771	1.33438	
February 27 2024	306.77755	1.41935	1.40087	1.35766	1.33433	
February 28 2024	306.76703	1.41930	1.40082	1.35761	1.33429	
February 29 2024	306.75652	1.41925	1.40077	1.35757	1.33424	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

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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	
February 1 2024	307.05100	1.31748	1.29314	1.29637	1.30393	
February 2 2024	307.04048	1.31744	1.29310	1.29633	1.30388	
February 3 2024	307.02997	1.31739	1.29305	1.29628	1.30384	
February 4 2024	307.01945	1.31735	1.29301	1.29624	1.30379	
February 5 2024	307.00893	1.31730	1.29296	1.29619	1.30375	
February 6 2024	306.99841	1.31726	1.29292	1.29615	1.30371	
February 7 2024	306.98790	1.31721	1.29287	1.29611	1.30366	
February 8 2024	306.97738	1.31717	1.29283	1.29606	1.30362	
February 9 2024	306.96686	1.31712	1.29279	1.29602	1.30357	
February 10 2024	306.95634	1.31708	1.29274	1.29597	1.30353	
February 11 2024	306.94583	1.31703	1.29270	1.29593	1.30348	
February 12 2024	306.93531	1.31699	1.29265	1.29588	1.30344	
February 13 2024	306.92479	1.31694	1.29261	1.29584	1.30339	
February 14 2024	306.91428	1.31690	1.29256	1.29580	1.30335	
February 15 2024	306.90376	1.31685	1.29252	1.29575	1.30330	
February 16 2024	306.89324	1.31680	1.29248	1.29571	1.30326	
February 17 2024	306.88272	1.31676	1.29243	1.29566	1.30321	
February 18 2024	306.87221	1.31671	1.29239	1.29562	1.30317	
February 19 2024	306.86169	1.31667	1.29234	1.29557	1.30312	
February 20 2024	306.85117	1.31662	1.29230	1.29553	1.30308	
February 21 2024	306.84066	1.31658	1.29225	1.29548	1.30304	
February 22 2024	306.83014	1.31653	1.29221	1.29544	1.30299	
February 23 2024	306.81962	1.31649	1.29217	1.29540	1.30295	
February 24 2024	306.80910	1.31644	1.29212	1.29535	1.30290	
February 25 2024	306.79859	1.31640	1.29208	1.29531	1.30286	
February 26 2024	306.78807	1.31635	1.29203	1.29526	1.30281	
February 27 2024	306.77755	1.31631	1.29199	1.29522	1.30277	
February 28 2024	306.76703	1.31626	1.29194	1.29517	1.30272	
February 29 2024	306.75652	1.31622	1.29190	1.29513	1.30268	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

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):			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	
February 1 2024	307.05100	1.29479	1.29224	1.29588	1.28097	
February 2 2024	307.04048	1.29474	1.29220	1.29583	1.28093	
February 3 2024	307.02997	1.29470	1.29215	1.29579	1.28089	
February 4 2024	307.01945	1.29466	1.29211	1.29574	1.28084	
February 5 2024	307.00893	1.29461	1.29206	1.29570	1.28080	
February 6 2024	306.99841	1.29457	1.29202	1.29566	1.28075	
February 7 2024	306.98790	1.29452	1.29198	1.29561	1.28071	
February 8 2024	306.97738	1.29448	1.29193	1.29557	1.28067	
February 9 2024	306.96686	1.29443	1.29189	1.29552	1.28062	
February 10 2024	306.95634	1.29439	1.29184	1.29548	1.28058	
February 11 2024	306.94583	1.29435	1.29180	1.29543	1.28053	
February 12 2024	306.93531	1.29430	1.29175	1.29539	1.28049	
February 13 2024	306.92479	1.29426	1.29171	1.29534	1.28045	
February 14 2024	306.91428	1.29421	1.29167	1.29530	1.28040	
February 15 2024	306.90376	1.29417	1.29162	1.29526	1.28036	
February 16 2024	306.89324	1.29412	1.29158	1.29521	1.28032	
February 17 2024	306.88272	1.29408	1.29153	1.29517	1.28027	
February 18 2024	306.87221	1.29404	1.29149	1.29512	1.28023	
February 19 2024	306.86169	1.29399	1.29144	1.29508	1.28018	
February 20 2024	306.85117	1.29395	1.29140	1.29503	1.28014	
February 21 2024	306.84066	1.29390	1.29136	1.29499	1.28010	
February 22 2024	306.83014	1.29386	1.29131	1.29495	1.28005	
February 23 2024	306.81962	1.29381	1.29127	1.29490	1.28001	
February 24 2024	306.80910	1.29377	1.29122	1.29486	1.27996	
February 25 2024	306.79859	1.29372	1.29118	1.29481	1.27992	
February 26 2024	306.78807	1.29368	1.29113	1.29477	1.27988	
February 27 2024	306.77755	1.29364	1.29109	1.29472	1.27983	
February 28 2024	306.76703	1.29359	1.29105	1.29468	1.27979	
February 29 2024	306.75652	1.29355	1.29100	1.29463	1.27974	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

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):			0-3/8% 10-Year TIPS Series A-2027 912828V49 January 15, 2017 February 31, 2017 March 31, 2017 May 31, 2017	0-7/8% 30-Year TIPS TIPS of February 2047 912810RW0 February 15, 2017 February 28, 2017 June 30, 2017 October 31, 2017	0-3/8% 10-Year TIPS Series D-2027 9128282L3 July 15, 2017 July 31, 2017 September 29, 2017 November 30, 2017	0-1/2% 10-Year TIPS Series A-2028 9128283R9 January 15, 2018 January 31, 2018 March 29, 2018 May 31, 2018
Maturity Date: Ref CPI on Dated Date:			January 15, 2027 241.55919	February 15, 2047 241.39250	July 15, 2027 244.61839	January 15, 2028 246.66571
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.27112	1.27200	1.25522	1.24481	
February 2 2024	307.04048	1.27108	1.27196	1.25518	1.24476	
February 3 2024	307.02997	1.27103	1.27191	1.25514	1.24472	
February 4 2024	307.01945	1.27099	1.27187	1.25510	1.24468	
February 5 2024	307.00893	1.27095	1.27182	1.25505	1.24464	
February 6 2024	306.99841	1.27090	1.27178	1.25501	1.24459	
February 7 2024	306.98790	1.27086	1.27174	1.25497	1.24455	
February 8 2024	306.97738	1.27082	1.27169	1.25492	1.24451	
February 9 2024	306.96686	1.27077	1.27165	1.25488	1.24447	
February 10 2024	306.95634	1.27073	1.27161	1.25484	1.24442	
February 11 2024	306.94583	1.27069	1.27156	1.25479	1.24438	
February 12 2024	306.93531	1.27064	1.27152	1.25475	1.24434	
February 13 2024	306.92479	1.27060	1.27148	1.25471	1.24429	
February 14 2024	306.91428	1.27056	1.27143	1.25467	1.24425	
February 15 2024	306.90376	1.27051	1.27139	1.25462	1.24421	
February 16 2024	306.89324	1.27047	1.27135	1.25458	1.24417	
February 17 2024	306.88272	1.27042	1.27130	1.25454	1.24412	
February 18 2024	306.87221	1.27038	1.27126	1.25449	1.24408	
February 19 2024	306.86169	1.27034	1.27121	1.25445	1.24404	
February 20 2024	306.85117	1.27029	1.27117	1.25441	1.24400	
February 21 2024	306.84066	1.27025	1.27113	1.25436	1.24395	
February 22 2024	306.83014	1.27021	1.27108	1.25432	1.24391	
February 23 2024	306.81962	1.27016	1.27104	1.25428	1.24387	
February 24 2024	306.80910	1.27012	1.27100	1.25424	1.24383	
February 25 2024	306.79859	1.27008	1.27095	1.25419	1.24378	
February 26 2024	306.78807	1.27003	1.27091	1.25415	1.24374	
February 27 2024	306.77755	1.26999	1.27087	1.25411	1.24370	
February 28 2024	306.76703	1.26995	1.27082	1.25406	1.24365	
February 29 2024	306.75652	1.26990	1.27078	1.25402	1.24361	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

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Ref CPI and Index Ratios for
February 2024

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	0-3/4% 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	1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019
Maturity Date: Ref CPI on Dated Date:			February 15, 2048 246.59650	July 15, 2028 251.01658	January 15, 2029 252.50248	February 15, 2049 251.63550
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.24516	1.22323	1.21603	1.22022	
February 2 2024	307.04048	1.24511	1.22319	1.21599	1.22018	
February 3 2024	307.02997	1.24507	1.22315	1.21595	1.22014	
February 4 2024	307.01945	1.24503	1.22310	1.21591	1.22010	
February 5 2024	307.00893	1.24498	1.22306	1.21587	1.22005	
February 6 2024	306.99841	1.24494	1.22302	1.21582	1.22001	
February 7 2024	306.98790	1.24490	1.22298	1.21578	1.21997	
February 8 2024	306.97738	1.24486	1.22294	1.21574	1.21993	
February 9 2024	306.96686	1.24481	1.22289	1.21570	1.21989	
February 10 2024	306.95634	1.24477	1.22285	1.21566	1.21985	
February 11 2024	306.94583	1.24473	1.22281	1.21562	1.21980	
February 12 2024	306.93531	1.24469	1.22277	1.21557	1.21976	
February 13 2024	306.92479	1.24464	1.22273	1.21553	1.21972	
February 14 2024	306.91428	1.24460	1.22269	1.21549	1.21968	
February 15 2024	306.90376	1.24456	1.22264	1.21545	1.21964	
February 16 2024	306.89324	1.24452	1.22260	1.21541	1.21959	
February 17 2024	306.88272	1.24447	1.22256	1.21537	1.21955	
February 18 2024	306.87221	1.24443	1.22252	1.21532	1.21951	
February 19 2024	306.86169	1.24439	1.22248	1.21528	1.21947	
February 20 2024	306.85117	1.24435	1.22243	1.21524	1.21943	
February 21 2024	306.84066	1.24430	1.22239	1.21520	1.21939	
February 22 2024	306.83014	1.24426	1.22235	1.21516	1.21934	
February 23 2024	306.81962	1.24422	1.22231	1.21512	1.21930	
February 24 2024	306.80910	1.24417	1.22227	1.21507	1.21926	
February 25 2024	306.79859	1.24413	1.22222	1.21503	1.21922	
February 26 2024	306.78807	1.24409	1.22218	1.21499	1.21918	
February 27 2024	306.77755	1.24405	1.22214	1.21495	1.21913	
February 28 2024	306.76703	1.24400	1.22210	1.21491	1.21909	
February 29 2024	306.75652	1.24396	1.22206	1.21487	1.21905	

CPI-U (NSA) for: October 2023 307.671 November 2023 307.051 December 2023 306.746

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 10-Year TIPS Series A-2030 912828Z37 January 15, 2020 January 31, 2020 March 31, 2020 May 29, 2020
Maturity Date: Ref CPI on Dated Date:			April 15, 2024 252.20853	July 15, 2029 255.79368	October 15, 2024 256.56513	January 15, 2030 257.28368
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.21745	1.20039	1.19678	1.19343	
February 2 2024	307.04048	1.21741	1.20034	1.19674	1.19339	
February 3 2024	307.02997	1.21737	1.20030	1.19669	1.19335	
February 4 2024	307.01945	1.21732	1.20026	1.19665	1.19331	
February 5 2024	307.00893	1.21728	1.20022	1.19661	1.19327	
February 6 2024	306.99841	1.21724	1.20018	1.19657	1.19323	
February 7 2024	306.98790	1.21720	1.20014	1.19653	1.19319	
February 8 2024	306.97738	1.21716	1.20010	1.19649	1.19315	
February 9 2024	306.96686	1.21712	1.20006	1.19645	1.19311	
February 10 2024	306.95634	1.21707	1.20002	1.19641	1.19307	
February 11 2024	306.94583	1.21703	1.19997	1.19637	1.19302	
February 12 2024	306.93531	1.21699	1.19993	1.19633	1.19298	
February 13 2024	306.92479	1.21695	1.19989	1.19628	1.19294	
February 14 2024	306.91428	1.21691	1.19985	1.19624	1.19290	
February 15 2024	306.90376	1.21687	1.19981	1.19620	1.19286	
February 16 2024	306.89324	1.21682	1.19977	1.19616	1.19282	
February 17 2024	306.88272	1.21678	1.19973	1.19612	1.19278	
February 18 2024	306.87221	1.21674	1.19969	1.19608	1.19274	
February 19 2024	306.86169	1.21670	1.19965	1.19604	1.19270	
February 20 2024	306.85117	1.21666	1.19960	1.19600	1.19266	
February 21 2024	306.84066	1.21661	1.19956	1.19596	1.19262	
February 22 2024	306.83014	1.21657	1.19952	1.19592	1.19258	
February 23 2024	306.81962	1.21653	1.19948	1.19587	1.19253	
February 24 2024	306.80910	1.21649	1.19944	1.19583	1.19249	
February 25 2024	306.79859	1.21645	1.19940	1.19579	1.19245	
February 26 2024	306.78807	1.21641	1.19936	1.19575	1.19241	
February 27 2024	306.77755	1.21636	1.19932	1.19571	1.19237	
February 28 2024	306.76703	1.21632	1.19928	1.19567	1.19233	
February 29 2024	306.75652	1.21628	1.19923	1.19563	1.19229	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 5-Year TIPS Series AE-2025 91282CAQ4 October 15, 2020 October 30, 2020 December 31, 2020
Maturity Date: Ref CPI on Dated Date:			February 15, 2050 257.09503	April 15, 2025 258.30093	July 15, 2030 256.39126	October 15, 2025 259.46997
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.19431	1.18873	1.19759	1.18338	
February 2 2024	307.04048	1.19427	1.18869	1.19755	1.18334	
February 3 2024	307.02997	1.19423	1.18865	1.19751	1.18330	
February 4 2024	307.01945	1.19419	1.18861	1.19746	1.18326	
February 5 2024	307.00893	1.19415	1.18857	1.19742	1.18322	
February 6 2024	306.99841	1.19410	1.18853	1.19738	1.18318	
February 7 2024	306.98790	1.19406	1.18849	1.19734	1.18313	
February 8 2024	306.97738	1.19402	1.18845	1.19730	1.18309	
February 9 2024	306.96686	1.19398	1.18841	1.19726	1.18305	
February 10 2024	306.95634	1.19394	1.18837	1.19722	1.18301	
February 11 2024	306.94583	1.19390	1.18833	1.19718	1.18297	
February 12 2024	306.93531	1.19386	1.18829	1.19714	1.18293	
February 13 2024	306.92479	1.19382	1.18825	1.19710	1.18289	
February 14 2024	306.91428	1.19378	1.18820	1.19705	1.18285	
February 15 2024	306.90376	1.19374	1.18816	1.19701	1.18281	
February 16 2024	306.89324	1.19370	1.18812	1.19697	1.18277	
February 17 2024	306.88272	1.19365	1.18808	1.19693	1.18273	
February 18 2024	306.87221	1.19361	1.18804	1.19689	1.18269	
February 19 2024	306.86169	1.19357	1.18800	1.19685	1.18265	
February 20 2024	306.85117	1.19353	1.18796	1.19681	1.18261	
February 21 2024	306.84066	1.19349	1.18792	1.19677	1.18257	
February 22 2024	306.83014	1.19345	1.18788	1.19673	1.18253	
February 23 2024	306.81962	1.19341	1.18784	1.19669	1.18249	
February 24 2024	306.80910	1.19337	1.18780	1.19664	1.18245	
February 25 2024	306.79859	1.19333	1.18776	1.19660	1.18241	
February 26 2024	306.78807	1.19329	1.18772	1.19656	1.18236	
February 27 2024	306.77755	1.19325	1.18767	1.19652	1.18232	
February 28 2024	306.76703	1.19320	1.18763	1.19648	1.18228	
February 29 2024	306.75652	1.19316	1.18759	1.19644	1.18224	
CPI-U (NSA) for:			October 2023 307.671	November 2023 307.051	December 2023 306.746	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 10-Year TIPS Series D-2031 91282CCM1 July 15, 2021 July 30, 2021 September 30, 2021 November 30, 2021
Maturity Date: Ref CPI on Dated Date:			January 15, 2031 260.31619	February 15, 2051 260.35150	April 15, 2026 262.25027	July 15, 2031 268.02090
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.17953	1.17937	1.17083	1.14562	
February 2 2024	307.04048	1.17949	1.17933	1.17079	1.14558	
February 3 2024	307.02997	1.17945	1.17929	1.17075	1.14554	
February 4 2024	307.01945	1.17941	1.17925	1.17071	1.14551	
February 5 2024	307.00893	1.17937	1.17921	1.17067	1.14547	
February 6 2024	306.99841	1.17933	1.17917	1.17063	1.14543	
February 7 2024	306.98790	1.17929	1.17913	1.17059	1.14539	
February 8 2024	306.97738	1.17925	1.17909	1.17055	1.14535	
February 9 2024	306.96686	1.17921	1.17905	1.17051	1.14531	
February 10 2024	306.95634	1.17917	1.17901	1.17047	1.14527	
February 11 2024	306.94583	1.17913	1.17897	1.17043	1.14523	
February 12 2024	306.93531	1.17909	1.17893	1.17039	1.14519	
February 13 2024	306.92479	1.17905	1.17889	1.17035	1.14515	
February 14 2024	306.91428	1.17901	1.17885	1.17031	1.14511	
February 15 2024	306.90376	1.17897	1.17881	1.17027	1.14507	
February 16 2024	306.89324	1.17892	1.17877	1.17023	1.14503	
February 17 2024	306.88272	1.17888	1.17872	1.17019	1.14500	
February 18 2024	306.87221	1.17884	1.17868	1.17015	1.14496	
February 19 2024	306.86169	1.17880	1.17864	1.17011	1.14492	
February 20 2024	306.85117	1.17876	1.17860	1.17007	1.14488	
February 21 2024	306.84066	1.17872	1.17856	1.17003	1.14484	
February 22 2024	306.83014	1.17868	1.17852	1.16999	1.14480	
February 23 2024	306.81962	1.17864	1.17848	1.16995	1.14476	
February 24 2024	306.80910	1.17860	1.17844	1.16991	1.14472	
February 25 2024	306.79859	1.17856	1.17840	1.16987	1.14468	
February 26 2024	306.78807	1.17852	1.17836	1.16983	1.14464	
February 27 2024	306.77755	1.17848	1.17832	1.16979	1.14460	
February 28 2024	306.76703	1.17844	1.17828	1.16975	1.14456	
February 29 2024	306.75652	1.17840	1.17824	1.16971	1.14452	
CPI-U (NSA) for:			October 2023 307.671	November 2023 307.051	December 2023 306.746	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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 May 31, 2022	0-1/8% 30-Year TIPS TIPS of February 2052 912810TE8 February 15, 2022 February 28, 2022 August 31, 2022	0-1/8% 5-Year TIPS Series X-2027 91282CEJ6 April 15, 2022 April 29, 2022 June 30, 2022
Maturity Date: Ref CPI on Dated Date:			October 15, 2026 273.25771	January 15, 2032 277.20274	February 15, 2052 278.37500	April 15, 2027 282.34640
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.12367	1.10768	1.10301	1.08750	
February 2 2024	307.04048	1.12363	1.10764	1.10297	1.08746	
February 3 2024	307.02997	1.12359	1.10760	1.10294	1.08742	
February 4 2024	307.01945	1.12355	1.10756	1.10290	1.08739	
February 5 2024	307.00893	1.12351	1.10752	1.10286	1.08735	
February 6 2024	306.99841	1.12348	1.10749	1.10282	1.08731	
February 7 2024	306.98790	1.12344	1.10745	1.10279	1.08727	
February 8 2024	306.97738	1.12340	1.10741	1.10275	1.08724	
February 9 2024	306.96686	1.12336	1.10737	1.10271	1.08720	
February 10 2024	306.95634	1.12332	1.10734	1.10267	1.08716	
February 11 2024	306.94583	1.12328	1.10730	1.10263	1.08712	
February 12 2024	306.93531	1.12324	1.10726	1.10260	1.08709	
February 13 2024	306.92479	1.12321	1.10722	1.10256	1.08705	
February 14 2024	306.91428	1.12317	1.10718	1.10252	1.08701	
February 15 2024	306.90376	1.12313	1.10715	1.10248	1.08698	
February 16 2024	306.89324	1.12309	1.10711	1.10245	1.08694	
February 17 2024	306.88272	1.12305	1.10707	1.10241	1.08690	
February 18 2024	306.87221	1.12301	1.10703	1.10237	1.08686	
February 19 2024	306.86169	1.12298	1.10699	1.10233	1.08683	
February 20 2024	306.85117	1.12294	1.10696	1.10229	1.08679	
February 21 2024	306.84066	1.12290	1.10692	1.10226	1.08675	
February 22 2024	306.83014	1.12286	1.10688	1.10222	1.08672	
February 23 2024	306.81962	1.12282	1.10684	1.10218	1.08668	
February 24 2024	306.80910	1.12278	1.10680	1.10214	1.08664	
February 25 2024	306.79859	1.12274	1.10677	1.10211	1.08660	
February 26 2024	306.78807	1.12271	1.10673	1.10207	1.08657	
February 27 2024	306.77755	1.12267	1.10669	1.10203	1.08653	
February 28 2024	306.76703	1.12263	1.10665	1.10199	1.08649	
February 29 2024	306.75652	1.12259	1.10661	1.10195	1.08645	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-5/8% 10-Year TIPS Series D-2032 91282CEZ0 July 15, 2022 July 29, 2022 September 30, 2022 November 30, 2022	1-5/8% 5-Year TIPS Series AE-2027 91282CFR7 October 15, 2022 October 31, 2022 December 30, 2022	1-1/8% 10-Year TIPS Series A-2033 91282CGK1 January 15, 2023 January 31, 2023 March 31, 2023 May 31, 2023	1-1/2% 30-Year TIPS TIPS of February 2053 912810TP3 February 15, 2023 February 28, 2023 August 31, 2023
Maturity Date: Ref CPI on Dated Date:			July 15, 2032 290.54829	October 15, 2027 296.22858	January 15, 2033 297.87606	February 15, 2053 297.25400
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
February 1 2024	307.05100	1.05680	1.03653	1.03080	1.03296	
February 2 2024	307.04048	1.05676	1.03650	1.03077	1.03292	
February 3 2024	307.02997	1.05673	1.03646	1.03073	1.03289	
February 4 2024	307.01945	1.05669	1.03643	1.03070	1.03285	
February 5 2024	307.00893	1.05665	1.03639	1.03066	1.03282	
February 6 2024	306.99841	1.05662	1.03636	1.03062	1.03278	
February 7 2024	306.98790	1.05658	1.03632	1.03059	1.03275	
February 8 2024	306.97738	1.05655	1.03629	1.03055	1.03271	
February 9 2024	306.96686	1.05651	1.03625	1.03052	1.03268	
February 10 2024	306.95634	1.05647	1.03621	1.03048	1.03264	
February 11 2024	306.94583	1.05644	1.03618	1.03045	1.03260	
February 12 2024	306.93531	1.05640	1.03614	1.03041	1.03257	
February 13 2024	306.92479	1.05636	1.03611	1.03038	1.03253	
February 14 2024	306.91428	1.05633	1.03607	1.03034	1.03250	
February 15 2024	306.90376	1.05629	1.03604	1.03031	1.03246	
February 16 2024	306.89324	1.05626	1.03600	1.03027	1.03243	
February 17 2024	306.88272	1.05622	1.03597	1.03024	1.03239	
February 18 2024	306.87221	1.05618	1.03593	1.03020	1.03236	
February 19 2024	306.86169	1.05615	1.03589	1.03017	1.03232	
February 20 2024	306.85117	1.05611	1.03586	1.03013	1.03229	
February 21 2024	306.84066	1.05607	1.03582	1.03010	1.03225	
February 22 2024	306.83014	1.05604	1.03579	1.03006	1.03222	
February 23 2024	306.81962	1.05600	1.03575	1.03002	1.03218	
February 24 2024	306.80910	1.05597	1.03572	1.02999	1.03214	
February 25 2024	306.79859	1.05593	1.03568	1.02995	1.03211	
February 26 2024	306.78807	1.05589	1.03565	1.02992	1.03207	
February 27 2024	306.77755	1.05586	1.03561	1.02988	1.03204	
February 28 2024	306.76703	1.05582	1.03558	1.02985	1.03200	
February 29 2024	306.75652	1.05578	1.03554	1.02981	1.03197	
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
February 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-1/4% 5-Year TIPS Series X-2028 91282CGW5 April 15, 2023 April 28, 2023 June 30, 2023	1-3/8% 10-Year TIPS Series D-2033 91282CHP9 July 15, 2023 July 31, 2023 September 29, 2023 November 30, 2023	2-3/8% 5-Year TIPS Series AE-2028 91282CJH5 October 15, 2023 October 31, 2023 December 29, 2023	
Maturity Date: Ref CPI on Dated Date:			April 15, 2028 299.94933	July 15, 2033 303.70803	October 15, 2028 306.29390	
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio		
February 1 2024	307.05100	1.02368	1.01101	1.00247		
February 2 2024	307.04048	1.02364	1.01097	1.00244		
February 3 2024	307.02997	1.02361	1.01094	1.00240		
February 4 2024	307.01945	1.02357	1.01090	1.00237		
February 5 2024	307.00893	1.02354	1.01087	1.00233		
February 6 2024	306.99841	1.02350	1.01083	1.00230		
February 7 2024	306.98790	1.02347	1.01080	1.00227		
February 8 2024	306.97738	1.02343	1.01076	1.00223		
February 9 2024	306.96686	1.02340	1.01073	1.00220		
February 10 2024	306.95634	1.02336	1.01070	1.00216		
February 11 2024	306.94583	1.02333	1.01066	1.00213		
February 12 2024	306.93531	1.02329	1.01063	1.00209		
February 13 2024	306.92479	1.02326	1.01059	1.00206		
February 14 2024	306.91428	1.02322	1.01056	1.00203		
February 15 2024	306.90376	1.02319	1.01052	1.00199		
February 16 2024	306.89324	1.02315	1.01049	1.00196		
February 17 2024	306.88272	1.02312	1.01045	1.00192		
February 18 2024	306.87221	1.02308	1.01042	1.00189		
February 19 2024	306.86169	1.02305	1.01038	1.00185		
February 20 2024	306.85117	1.02301	1.01035	1.00182		
February 21 2024	306.84066	1.02297	1.01031	1.00179		
February 22 2024	306.83014	1.02294	1.01028	1.00175		
February 23 2024	306.81962	1.02290	1.01025	1.00172		
February 24 2024	306.80910	1.02287	1.01021	1.00168		
February 25 2024	306.79859	1.02283	1.01018	1.00165		
February 26 2024	306.78807	1.02280	1.01014	1.00161		
February 27 2024	306.77755	1.02276	1.01011	1.00158		
February 28 2024	306.76703	1.02273	1.01007	1.00154		
February 29 2024	306.75652	1.02269	1.01004	1.00151		
CPI-U (NSA) for:	October 2023	307.671	November 2023	307.051	December 2023	306.746