

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2022	278.80200	1.72377	1.69594	1.57072	1.47908	
March 2 2022	278.87768	1.72423	1.69641	1.57114	1.47948	
March 3 2022	278.95335	1.72470	1.69687	1.57157	1.47988	
March 4 2022	279.02903	1.72517	1.69733	1.57199	1.48029	
March 5 2022	279.10471	1.72564	1.69779	1.57242	1.48069	
March 6 2022	279.18039	1.72611	1.69825	1.57285	1.48109	
March 7 2022	279.25606	1.72657	1.69871	1.57327	1.48149	
March 8 2022	279.33174	1.72704	1.69917	1.57370	1.48189	
March 9 2022	279.40742	1.72751	1.69963	1.57413	1.48229	
March 10 2022	279.48310	1.72798	1.70009	1.57455	1.48269	
March 11 2022	279.55877	1.72845	1.70055	1.57498	1.48310	
March 12 2022	279.63445	1.72891	1.70101	1.57541	1.48350	
March 13 2022	279.71013	1.72938	1.70147	1.57583	1.48390	
March 14 2022	279.78581	1.72985	1.70193	1.57626	1.48430	
March 15 2022	279.86148	1.73032	1.70239	1.57668	1.48470	
March 16 2022	279.93716	1.73078	1.70285	1.57711	1.48510	
March 17 2022	280.01284	1.73125	1.70331	1.57754	1.48550	
March 18 2022	280.08852	1.73172	1.70377	1.57796	1.48591	
March 19 2022	280.16419	1.73219	1.70423	1.57839	1.48631	
March 20 2022	280.23987	1.73266	1.70469	1.57882	1.48671	
March 21 2022	280.31555	1.73312	1.70515	1.57924	1.48711	
March 22 2022	280.39123	1.73359	1.70561	1.57967	1.48751	
March 23 2022	280.46690	1.73406	1.70607	1.58010	1.48791	
March 24 2022	280.54258	1.73453	1.70653	1.58052	1.48832	
March 25 2022	280.61826	1.73500	1.70699	1.58095	1.48872	
March 26 2022	280.69394	1.73546	1.70745	1.58137	1.48912	
March 27 2022	280.76961	1.73593	1.70791	1.58180	1.48952	
March 28 2022	280.84529	1.73640	1.70837	1.58223	1.48992	
March 29 2022	280.92097	1.73687	1.70883	1.58265	1.49032	
March 30 2022	280.99665	1.73734	1.70929	1.58308	1.49072	
March 31 2022	281.07232	1.73780	1.70976	1.58351	1.49113	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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
March	1	2022	278.80200	1.40470	1.38250	1.33082	1.29857
March	2	2022	278.87768	1.40509	1.38288	1.33118	1.29892
March	3	2022	278.95335	1.40547	1.38325	1.33154	1.29927
March	4	2022	279.02903	1.40585	1.38363	1.33190	1.29962
March	5	2022	279.10471	1.40623	1.38401	1.33226	1.29998
March	6	2022	279.18039	1.40661	1.38438	1.33263	1.30033
March	7	2022	279.25606	1.40699	1.38476	1.33299	1.30068
March	8	2022	279.33174	1.40737	1.38513	1.33335	1.30103
March	9	2022	279.40742	1.40775	1.38551	1.33371	1.30139
March	10	2022	279.48310	1.40814	1.38588	1.33407	1.30174
March	11	2022	279.55877	1.40852	1.38626	1.33443	1.30209
March	12	2022	279.63445	1.40890	1.38663	1.33479	1.30244
March	13	2022	279.71013	1.40928	1.38701	1.33515	1.30280
March	14	2022	279.78581	1.40966	1.38738	1.33552	1.30315
March	15	2022	279.86148	1.41004	1.38776	1.33588	1.30350
March	16	2022	279.93716	1.41042	1.38813	1.33624	1.30385
March	17	2022	280.01284	1.41080	1.38851	1.33660	1.30421
March	18	2022	280.08852	1.41119	1.38888	1.33696	1.30456
March	19	2022	280.16419	1.41157	1.38926	1.33732	1.30491
March	20	2022	280.23987	1.41195	1.38963	1.33768	1.30526
March	21	2022	280.31555	1.41233	1.39001	1.33804	1.30562
March	22	2022	280.39123	1.41271	1.39038	1.33841	1.30597
March	23	2022	280.46690	1.41309	1.39076	1.33877	1.30632
March	24	2022	280.54258	1.41347	1.39114	1.33913	1.30667
March	25	2022	280.61826	1.41385	1.39151	1.33949	1.30703
March	26	2022	280.69394	1.41424	1.39189	1.33985	1.30738
March	27	2022	280.76961	1.41462	1.39226	1.34021	1.30773
March	28	2022	280.84529	1.41500	1.39264	1.34057	1.30808
March	29	2022	280.92097	1.41538	1.39301	1.34093	1.30844
March	30	2022	280.99665	1.41576	1.39339	1.34130	1.30879
March	31	2022	281.07232	1.41614	1.39376	1.34166	1.30914
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148		

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March 2022

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	
March 1 2022	278.80200	1.28992	1.27312	1.23385	1.21238	
March 2 2022	278.87768	1.29027	1.27347	1.23419	1.21271	
March 3 2022	278.95335	1.29062	1.27381	1.23452	1.21304	
March 4 2022	279.02903	1.29097	1.27416	1.23486	1.21336	
March 5 2022	279.10471	1.29132	1.27450	1.23519	1.21369	
March 6 2022	279.18039	1.29167	1.27485	1.23553	1.21402	
March 7 2022	279.25606	1.29202	1.27519	1.23586	1.21435	
March 8 2022	279.33174	1.29237	1.27554	1.23620	1.21468	
March 9 2022	279.40742	1.29272	1.27589	1.23653	1.21501	
March 10 2022	279.48310	1.29307	1.27623	1.23687	1.21534	
March 11 2022	279.55877	1.29342	1.27658	1.23720	1.21567	
March 12 2022	279.63445	1.29377	1.27692	1.23754	1.21600	
March 13 2022	279.71013	1.29412	1.27727	1.23787	1.21633	
March 14 2022	279.78581	1.29447	1.27761	1.23821	1.21666	
March 15 2022	279.86148	1.29482	1.27796	1.23854	1.21698	
March 16 2022	279.93716	1.29517	1.27830	1.23888	1.21731	
March 17 2022	280.01284	1.29552	1.27865	1.23921	1.21764	
March 18 2022	280.08852	1.29587	1.27900	1.23955	1.21797	
March 19 2022	280.16419	1.29622	1.27934	1.23988	1.21830	
March 20 2022	280.23987	1.29657	1.27969	1.24022	1.21863	
March 21 2022	280.31555	1.29692	1.28003	1.24055	1.21896	
March 22 2022	280.39123	1.29727	1.28038	1.24089	1.21929	
March 23 2022	280.46690	1.29762	1.28072	1.24122	1.21962	
March 24 2022	280.54258	1.29797	1.28107	1.24156	1.21995	
March 25 2022	280.61826	1.29832	1.28141	1.24189	1.22028	
March 26 2022	280.69394	1.29867	1.28176	1.24223	1.22060	
March 27 2022	280.76961	1.29902	1.28211	1.24256	1.22093	
March 28 2022	280.84529	1.29937	1.28245	1.24289	1.22126	
March 29 2022	280.92097	1.29972	1.28280	1.24323	1.22159	
March 30 2022	280.99665	1.30007	1.28314	1.24356	1.22192	
March 31 2022	281.07232	1.30042	1.28349	1.24390	1.22225	
CPI-U (NSA) for:	November 2021	277.948	December 2021	278.802	January 2022	281.148

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March 2022

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	
March 1 2022	278.80200	1.20787	1.21265	1.19803	1.19488	
March 2 2022	278.87768	1.20819	1.21298	1.19835	1.19520	
March 3 2022	278.95335	1.20852	1.21331	1.19868	1.19553	
March 4 2022	279.02903	1.20885	1.21364	1.19900	1.19585	
March 5 2022	279.10471	1.20918	1.21397	1.19933	1.19618	
March 6 2022	279.18039	1.20950	1.21430	1.19965	1.19650	
March 7 2022	279.25606	1.20983	1.21463	1.19998	1.19683	
March 8 2022	279.33174	1.21016	1.21496	1.20030	1.19715	
March 9 2022	279.40742	1.21049	1.21529	1.20063	1.19747	
March 10 2022	279.48310	1.21082	1.21561	1.20095	1.19780	
March 11 2022	279.55877	1.21114	1.21594	1.20128	1.19812	
March 12 2022	279.63445	1.21147	1.21627	1.20160	1.19845	
March 13 2022	279.71013	1.21180	1.21660	1.20193	1.19877	
March 14 2022	279.78581	1.21213	1.21693	1.20225	1.19910	
March 15 2022	279.86148	1.21246	1.21726	1.20258	1.19942	
March 16 2022	279.93716	1.21278	1.21759	1.20290	1.19974	
March 17 2022	280.01284	1.21311	1.21792	1.20323	1.20007	
March 18 2022	280.08852	1.21344	1.21825	1.20355	1.20039	
March 19 2022	280.16419	1.21377	1.21858	1.20388	1.20072	
March 20 2022	280.23987	1.21409	1.21891	1.20420	1.20104	
March 21 2022	280.31555	1.21442	1.21924	1.20453	1.20137	
March 22 2022	280.39123	1.21475	1.21956	1.20485	1.20169	
March 23 2022	280.46690	1.21508	1.21989	1.20518	1.20202	
March 24 2022	280.54258	1.21541	1.22022	1.20550	1.20234	
March 25 2022	280.61826	1.21573	1.22055	1.20583	1.20266	
March 26 2022	280.69394	1.21606	1.22088	1.20615	1.20299	
March 27 2022	280.76961	1.21639	1.22121	1.20648	1.20331	
March 28 2022	280.84529	1.21672	1.22154	1.20681	1.20364	
March 29 2022	280.92097	1.21705	1.22187	1.20713	1.20396	
March 30 2022	280.99665	1.21737	1.22220	1.20746	1.20429	
March 31 2022	281.07232	1.21770	1.22253	1.20778	1.20461	
CPI-U (NSA) for:	November 2021	277.948	December 2021	278.802	January 2022	281.148

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2022	278.80200	1.19627	1.17417	1.17710	1.18397	
March 2 2022	278.87768	1.19660	1.17449	1.17742	1.18429	
March 3 2022	278.95335	1.19692	1.17481	1.17774	1.18461	
March 4 2022	279.02903	1.19725	1.17513	1.17806	1.18493	
March 5 2022	279.10471	1.19757	1.17545	1.17838	1.18525	
March 6 2022	279.18039	1.19790	1.17576	1.17870	1.18557	
March 7 2022	279.25606	1.19822	1.17608	1.17902	1.18589	
March 8 2022	279.33174	1.19855	1.17640	1.17934	1.18622	
March 9 2022	279.40742	1.19887	1.17672	1.17966	1.18654	
March 10 2022	279.48310	1.19919	1.17704	1.17998	1.18686	
March 11 2022	279.55877	1.19952	1.17736	1.18030	1.18718	
March 12 2022	279.63445	1.19984	1.17768	1.18062	1.18750	
March 13 2022	279.71013	1.20017	1.17799	1.18094	1.18782	
March 14 2022	279.78581	1.20049	1.17831	1.18126	1.18814	
March 15 2022	279.86148	1.20082	1.17863	1.18158	1.18846	
March 16 2022	279.93716	1.20114	1.17895	1.18190	1.18879	
March 17 2022	280.01284	1.20147	1.17927	1.18222	1.18911	
March 18 2022	280.08852	1.20179	1.17959	1.18254	1.18943	
March 19 2022	280.16419	1.20212	1.17991	1.18286	1.18975	
March 20 2022	280.23987	1.20244	1.18023	1.18318	1.19007	
March 21 2022	280.31555	1.20277	1.18054	1.18349	1.19039	
March 22 2022	280.39123	1.20309	1.18086	1.18381	1.19071	
March 23 2022	280.46690	1.20342	1.18118	1.18413	1.19104	
March 24 2022	280.54258	1.20374	1.18150	1.18445	1.19136	
March 25 2022	280.61826	1.20407	1.18182	1.18477	1.19168	
March 26 2022	280.69394	1.20439	1.18214	1.18509	1.19200	
March 27 2022	280.76961	1.20471	1.18246	1.18541	1.19232	
March 28 2022	280.84529	1.20504	1.18278	1.18573	1.19264	
March 29 2022	280.92097	1.20536	1.18309	1.18605	1.19296	
March 30 2022	280.99665	1.20569	1.18341	1.18637	1.19329	
March 31 2022	281.07232	1.20601	1.18373	1.18669	1.19361	
CPI-U (NSA) for:	November 2021	277.948	December 2021	278.802	January 2022	281.148

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March 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	
March 1 2022	278.80200	1.17567	1.17335	1.17666	1.16312	
March 2 2022	278.87768	1.17599	1.17367	1.17697	1.16344	
March 3 2022	278.95335	1.17631	1.17399	1.17729	1.16375	
March 4 2022	279.02903	1.17662	1.17431	1.17761	1.16407	
March 5 2022	279.10471	1.17694	1.17463	1.17793	1.16439	
March 6 2022	279.18039	1.17726	1.17495	1.17825	1.16470	
March 7 2022	279.25606	1.17758	1.17526	1.17857	1.16502	
March 8 2022	279.33174	1.17790	1.17558	1.17889	1.16533	
March 9 2022	279.40742	1.17822	1.17590	1.17921	1.16565	
March 10 2022	279.48310	1.17854	1.17622	1.17953	1.16596	
March 11 2022	279.55877	1.17886	1.17654	1.17985	1.16628	
March 12 2022	279.63445	1.17918	1.17686	1.18017	1.16660	
March 13 2022	279.71013	1.17950	1.17718	1.18049	1.16691	
March 14 2022	279.78581	1.17982	1.17749	1.18081	1.16723	
March 15 2022	279.86148	1.18013	1.17781	1.18113	1.16754	
March 16 2022	279.93716	1.18045	1.17813	1.18145	1.16786	
March 17 2022	280.01284	1.18077	1.17845	1.18177	1.16817	
March 18 2022	280.08852	1.18109	1.17877	1.18209	1.16849	
March 19 2022	280.16419	1.18141	1.17909	1.18240	1.16881	
March 20 2022	280.23987	1.18173	1.17940	1.18272	1.16912	
March 21 2022	280.31555	1.18205	1.17972	1.18304	1.16944	
March 22 2022	280.39123	1.18237	1.18004	1.18336	1.16975	
March 23 2022	280.46690	1.18269	1.18036	1.18368	1.17007	
March 24 2022	280.54258	1.18301	1.18068	1.18400	1.17038	
March 25 2022	280.61826	1.18333	1.18100	1.18432	1.17070	
March 26 2022	280.69394	1.18365	1.18132	1.18464	1.17102	
March 27 2022	280.76961	1.18396	1.18163	1.18496	1.17133	
March 28 2022	280.84529	1.18428	1.18195	1.18528	1.17165	
March 29 2022	280.92097	1.18460	1.18227	1.18560	1.17196	
March 30 2022	280.99665	1.18492	1.18259	1.18592	1.17228	
March 31 2022	281.07232	1.18524	1.18291	1.18624	1.17259	
CPI-U (NSA) for:	November 2021	277.948	December 2021	278.802	January 2022	281.148

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

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 January 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	0-1/8% 5-Year TIPS Series X-2022 912828X39 April 15, 2017 April 28, 2017 August 31, 2017 December 29, 2017	0-3/8% 10-Year TIPS Series D-2027 912828L3 July 15, 2017 July 31, 2017 September 29, 2017 November 30, 2017
Maturity Date: Ref CPI on Dated Date:			January 15, 2027 241.55919	February 15, 2047 241.39250	April 15, 2022 243.19553	July 15, 2027 244.61839
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.15418	1.15497	1.14641	1.13974	
March 2 2022	278.87768	1.15449	1.15529	1.14672	1.14005	
March 3 2022	278.95335	1.15480	1.15560	1.14703	1.14036	
March 4 2022	279.02903	1.15512	1.15591	1.14734	1.14067	
March 5 2022	279.10471	1.15543	1.15623	1.14766	1.14098	
March 6 2022	279.18039	1.15574	1.15654	1.14797	1.14129	
March 7 2022	279.25606	1.15606	1.15685	1.14828	1.14160	
March 8 2022	279.33174	1.15637	1.15717	1.14859	1.14191	
March 9 2022	279.40742	1.15668	1.15748	1.14890	1.14222	
March 10 2022	279.48310	1.15700	1.15780	1.14921	1.14253	
March 11 2022	279.55877	1.15731	1.15811	1.14952	1.14284	
March 12 2022	279.63445	1.15762	1.15842	1.14983	1.14315	
March 13 2022	279.71013	1.15794	1.15874	1.15015	1.14346	
March 14 2022	279.78581	1.15825	1.15905	1.15046	1.14376	
March 15 2022	279.86148	1.15856	1.15936	1.15077	1.14407	
March 16 2022	279.93716	1.15888	1.15968	1.15108	1.14438	
March 17 2022	280.01284	1.15919	1.15999	1.15139	1.14469	
March 18 2022	280.08852	1.15950	1.16030	1.15170	1.14500	
March 19 2022	280.16419	1.15982	1.16062	1.15201	1.14531	
March 20 2022	280.23987	1.16013	1.16093	1.15232	1.14562	
March 21 2022	280.31555	1.16044	1.16124	1.15263	1.14593	
March 22 2022	280.39123	1.16076	1.16156	1.15295	1.14624	
March 23 2022	280.46690	1.16107	1.16187	1.15326	1.14655	
March 24 2022	280.54258	1.16138	1.16218	1.15357	1.14686	
March 25 2022	280.61826	1.16170	1.16250	1.15388	1.14717	
March 26 2022	280.69394	1.16201	1.16281	1.15419	1.14748	
March 27 2022	280.76961	1.16232	1.16312	1.15450	1.14779	
March 28 2022	280.84529	1.16264	1.16344	1.15481	1.14810	
March 29 2022	280.92097	1.16295	1.16375	1.15512	1.14840	
March 30 2022	280.99665	1.16326	1.16407	1.15544	1.14871	
March 31 2022	281.07232	1.16358	1.16438	1.15575	1.14902	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/2% 10-Year TIPS Series A-2028 9128283R9 January 15, 2018 January 31, 2018 March 29, 2018 May 31, 2018	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2028 246.66571	February 15, 2048 246.59650	April 15, 2023 248.39153	July 15, 2028 251.01658
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.13028	1.13060	1.12243	1.11069	
March 2 2022	278.87768	1.13059	1.13091	1.12273	1.11099	
March 3 2022	278.95335	1.13090	1.13121	1.12304	1.11129	
March 4 2022	279.02903	1.13120	1.13152	1.12334	1.11160	
March 5 2022	279.10471	1.13151	1.13183	1.12365	1.11190	
March 6 2022	279.18039	1.13182	1.13213	1.12395	1.11220	
March 7 2022	279.25606	1.13212	1.13244	1.12426	1.11250	
March 8 2022	279.33174	1.13243	1.13275	1.12456	1.11280	
March 9 2022	279.40742	1.13274	1.13306	1.12487	1.11310	
March 10 2022	279.48310	1.13304	1.13336	1.12517	1.11340	
March 11 2022	279.55877	1.13335	1.13367	1.12548	1.11371	
March 12 2022	279.63445	1.13366	1.13398	1.12578	1.11401	
March 13 2022	279.71013	1.13396	1.13428	1.12609	1.11431	
March 14 2022	279.78581	1.13427	1.13459	1.12639	1.11461	
March 15 2022	279.86148	1.13458	1.13490	1.12669	1.11491	
March 16 2022	279.93716	1.13488	1.13520	1.12700	1.11521	
March 17 2022	280.01284	1.13519	1.13551	1.12730	1.11552	
March 18 2022	280.08852	1.13550	1.13582	1.12761	1.11582	
March 19 2022	280.16419	1.13581	1.13612	1.12791	1.11612	
March 20 2022	280.23987	1.13611	1.13643	1.12822	1.11642	
March 21 2022	280.31555	1.13642	1.13674	1.12852	1.11672	
March 22 2022	280.39123	1.13673	1.13704	1.12883	1.11702	
March 23 2022	280.46690	1.13703	1.13735	1.12913	1.11732	
March 24 2022	280.54258	1.13734	1.13766	1.12944	1.11763	
March 25 2022	280.61826	1.13765	1.13797	1.12974	1.11793	
March 26 2022	280.69394	1.13795	1.13827	1.13005	1.11823	
March 27 2022	280.76961	1.13826	1.13858	1.13035	1.11853	
March 28 2022	280.84529	1.13857	1.13889	1.13066	1.11883	
March 29 2022	280.92097	1.13887	1.13919	1.13096	1.11913	
March 30 2022	280.99665	1.13918	1.13950	1.13127	1.11943	
March 31 2022	281.07232	1.13949	1.13981	1.13157	1.11974	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2029 252.50248	February 15, 2049 251.63550	April 15, 2024 252.20853	July 15, 2029 255.79368
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.10416	1.10796	1.10544	1.08995	
March 2 2022	278.87768	1.10446	1.10826	1.10574	1.09024	
March 3 2022	278.95335	1.10475	1.10856	1.10604	1.09054	
March 4 2022	279.02903	1.10505	1.10886	1.10634	1.09084	
March 5 2022	279.10471	1.10535	1.10916	1.10664	1.09113	
March 6 2022	279.18039	1.10565	1.10946	1.10694	1.09143	
March 7 2022	279.25606	1.10595	1.10976	1.10724	1.09172	
March 8 2022	279.33174	1.10625	1.11006	1.10754	1.09202	
March 9 2022	279.40742	1.10655	1.11037	1.10784	1.09232	
March 10 2022	279.48310	1.10685	1.11067	1.10814	1.09261	
March 11 2022	279.55877	1.10715	1.11097	1.10844	1.09291	
March 12 2022	279.63445	1.10745	1.11127	1.10874	1.09320	
March 13 2022	279.71013	1.10775	1.11157	1.10904	1.09350	
March 14 2022	279.78581	1.10805	1.11187	1.10934	1.09379	
March 15 2022	279.86148	1.10835	1.11217	1.10964	1.09409	
March 16 2022	279.93716	1.10865	1.11247	1.10994	1.09439	
March 17 2022	280.01284	1.10895	1.11277	1.11024	1.09468	
March 18 2022	280.08852	1.10925	1.11307	1.11054	1.09498	
March 19 2022	280.16419	1.10955	1.11337	1.11084	1.09527	
March 20 2022	280.23987	1.10985	1.11367	1.11114	1.09557	
March 21 2022	280.31555	1.11015	1.11397	1.11144	1.09587	
March 22 2022	280.39123	1.11045	1.11428	1.11174	1.09616	
March 23 2022	280.46690	1.11075	1.11458	1.11204	1.09646	
March 24 2022	280.54258	1.11105	1.11488	1.11234	1.09675	
March 25 2022	280.61826	1.11135	1.11518	1.11264	1.09705	
March 26 2022	280.69394	1.11165	1.11548	1.11294	1.09735	
March 27 2022	280.76961	1.11195	1.11578	1.11324	1.09764	
March 28 2022	280.84529	1.11225	1.11608	1.11354	1.09794	
March 29 2022	280.92097	1.11255	1.11638	1.11384	1.09823	
March 30 2022	280.99665	1.11285	1.11668	1.11414	1.09853	
March 31 2022	281.07232	1.11315	1.11698	1.11444	1.09882	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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 912828ZJ7 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
Maturity Date: Ref CPI on Dated Date:			October 15, 2024 256.56513	January 15, 2030 257.28368	February 15, 2050 257.09503	April 15, 2025 258.30093
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.08667	1.08364	1.08443	1.07937	
March 2 2022	278.87768	1.08697	1.08393	1.08473	1.07966	
March 3 2022	278.95335	1.08726	1.08422	1.08502	1.07995	
March 4 2022	279.02903	1.08756	1.08452	1.08531	1.08025	
March 5 2022	279.10471	1.08785	1.08481	1.08561	1.08054	
March 6 2022	279.18039	1.08815	1.08511	1.08590	1.08083	
March 7 2022	279.25606	1.08844	1.08540	1.08620	1.08113	
March 8 2022	279.33174	1.08874	1.08570	1.08649	1.08142	
March 9 2022	279.40742	1.08903	1.08599	1.08679	1.08171	
March 10 2022	279.48310	1.08933	1.08628	1.08708	1.08201	
March 11 2022	279.55877	1.08962	1.08658	1.08738	1.08230	
March 12 2022	279.63445	1.08992	1.08687	1.08767	1.08259	
March 13 2022	279.71013	1.09021	1.08717	1.08796	1.08288	
March 14 2022	279.78581	1.09051	1.08746	1.08826	1.08318	
March 15 2022	279.86148	1.09080	1.08775	1.08855	1.08347	
March 16 2022	279.93716	1.09110	1.08805	1.08885	1.08376	
March 17 2022	280.01284	1.09139	1.08834	1.08914	1.08406	
March 18 2022	280.08852	1.09169	1.08864	1.08944	1.08435	
March 19 2022	280.16419	1.09198	1.08893	1.08973	1.08464	
March 20 2022	280.23987	1.09228	1.08923	1.09002	1.08494	
March 21 2022	280.31555	1.09257	1.08952	1.09032	1.08523	
March 22 2022	280.39123	1.09287	1.08981	1.09061	1.08552	
March 23 2022	280.46690	1.09316	1.09011	1.09091	1.08581	
March 24 2022	280.54258	1.09346	1.09040	1.09120	1.08611	
March 25 2022	280.61826	1.09375	1.09070	1.09150	1.08640	
March 26 2022	280.69394	1.09405	1.09099	1.09179	1.08669	
March 27 2022	280.76961	1.09434	1.09128	1.09208	1.08699	
March 28 2022	280.84529	1.09464	1.09158	1.09238	1.08728	
March 29 2022	280.92097	1.09493	1.09187	1.09267	1.08757	
March 30 2022	280.99665	1.09523	1.09217	1.09297	1.08787	
March 31 2022	281.07232	1.09552	1.09246	1.09326	1.08816	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			July 15, 2030 256.39126	October 15, 2025 259.46997	January 15, 2031 260.31619	February 15, 2051 260.35150
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.08741	1.07451	1.07101	1.07087	
March 2 2022	278.87768	1.08770	1.07480	1.07130	1.07116	
March 3 2022	278.95335	1.08800	1.07509	1.07159	1.07145	
March 4 2022	279.02903	1.08829	1.07538	1.07189	1.07174	
March 5 2022	279.10471	1.08859	1.07567	1.07218	1.07203	
March 6 2022	279.18039	1.08888	1.07596	1.07247	1.07232	
March 7 2022	279.25606	1.08918	1.07626	1.07276	1.07261	
March 8 2022	279.33174	1.08947	1.07655	1.07305	1.07290	
March 9 2022	279.40742	1.08977	1.07684	1.07334	1.07319	
March 10 2022	279.48310	1.09006	1.07713	1.07363	1.07348	
March 11 2022	279.55877	1.09036	1.07742	1.07392	1.07377	
March 12 2022	279.63445	1.09066	1.07771	1.07421	1.07407	
March 13 2022	279.71013	1.09095	1.07801	1.07450	1.07436	
March 14 2022	279.78581	1.09125	1.07830	1.07479	1.07465	
March 15 2022	279.86148	1.09154	1.07859	1.07508	1.07494	
March 16 2022	279.93716	1.09184	1.07888	1.07537	1.07523	
March 17 2022	280.01284	1.09213	1.07917	1.07566	1.07552	
March 18 2022	280.08852	1.09243	1.07946	1.07596	1.07581	
March 19 2022	280.16419	1.09272	1.07976	1.07625	1.07610	
March 20 2022	280.23987	1.09302	1.08005	1.07654	1.07639	
March 21 2022	280.31555	1.09331	1.08034	1.07683	1.07668	
March 22 2022	280.39123	1.09361	1.08063	1.07712	1.07697	
March 23 2022	280.46690	1.09390	1.08092	1.07741	1.07726	
March 24 2022	280.54258	1.09420	1.08121	1.07770	1.07755	
March 25 2022	280.61826	1.09449	1.08151	1.07799	1.07784	
March 26 2022	280.69394	1.09479	1.08180	1.07828	1.07813	
March 27 2022	280.76961	1.09508	1.08209	1.07857	1.07843	
March 28 2022	280.84529	1.09538	1.08238	1.07886	1.07872	
March 29 2022	280.92097	1.09567	1.08267	1.07915	1.07901	
March 30 2022	280.99665	1.09597	1.08296	1.07944	1.07930	
March 31 2022	281.07232	1.09626	1.08326	1.07973	1.07959	
CPI-U (NSA) for:			November 2021 277.948	December 2021 278.802	January 2022 281.148	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			April 15, 2026 262.25027	July 15, 2031 268.02090	October 15, 2026 273.25771	January 15, 2032 277.20274
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2022	278.80200	1.06311	1.04022	1.02029	1.00577	
March 2 2022	278.87768	1.06340	1.04051	1.02057	1.00604	
March 3 2022	278.95335	1.06369	1.04079	1.02084	1.00632	
March 4 2022	279.02903	1.06398	1.04107	1.02112	1.00659	
March 5 2022	279.10471	1.06427	1.04135	1.02140	1.00686	
March 6 2022	279.18039	1.06456	1.04164	1.02167	1.00713	
March 7 2022	279.25606	1.06485	1.04192	1.02195	1.00741	
March 8 2022	279.33174	1.06513	1.04220	1.02223	1.00768	
March 9 2022	279.40742	1.06542	1.04248	1.02251	1.00795	
March 10 2022	279.48310	1.06571	1.04277	1.02278	1.00823	
March 11 2022	279.55877	1.06600	1.04305	1.02306	1.00850	
March 12 2022	279.63445	1.06629	1.04333	1.02334	1.00877	
March 13 2022	279.71013	1.06658	1.04361	1.02361	1.00905	
March 14 2022	279.78581	1.06687	1.04390	1.02389	1.00932	
March 15 2022	279.86148	1.06715	1.04418	1.02417	1.00959	
March 16 2022	279.93716	1.06744	1.04446	1.02444	1.00986	
March 17 2022	280.01284	1.06773	1.04474	1.02472	1.01014	
March 18 2022	280.08852	1.06802	1.04502	1.02500	1.01041	
March 19 2022	280.16419	1.06831	1.04531	1.02527	1.01068	
March 20 2022	280.23987	1.06860	1.04559	1.02555	1.01096	
March 21 2022	280.31555	1.06889	1.04587	1.02583	1.01123	
March 22 2022	280.39123	1.06917	1.04615	1.02611	1.01150	
March 23 2022	280.46690	1.06946	1.04644	1.02638	1.01178	
March 24 2022	280.54258	1.06975	1.04672	1.02666	1.01205	
March 25 2022	280.61826	1.07004	1.04700	1.02694	1.01232	
March 26 2022	280.69394	1.07033	1.04728	1.02721	1.01259	
March 27 2022	280.76961	1.07062	1.04757	1.02749	1.01287	
March 28 2022	280.84529	1.07091	1.04785	1.02777	1.01314	
March 29 2022	280.92097	1.07119	1.04813	1.02804	1.01341	
March 30 2022	280.99665	1.07148	1.04841	1.02832	1.01369	
March 31 2022	281.07232	1.07177	1.04870	1.02860	1.01396	
CPI-U (NSA) for:	November 2021	277.948	December 2021	278.802	January 2022	281.148