

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

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	
August 1 2021	269.19500	1.66437	1.63751	1.51659	1.42811	
August 2 2021	269.27568	1.66487	1.63800	1.51705	1.42854	
August 3 2021	269.35635	1.66537	1.63849	1.51750	1.42897	
August 4 2021	269.43703	1.66587	1.63898	1.51796	1.42940	
August 5 2021	269.51771	1.66636	1.63947	1.51841	1.42983	
August 6 2021	269.59839	1.66686	1.63996	1.51886	1.43025	
August 7 2021	269.67906	1.66736	1.64045	1.51932	1.43068	
August 8 2021	269.75974	1.66786	1.64094	1.51977	1.43111	
August 9 2021	269.84042	1.66836	1.64143	1.52023	1.43154	
August 10 2021	269.92110	1.66886	1.64192	1.52068	1.43197	
August 11 2021	270.00177	1.66936	1.64241	1.52114	1.43239	
August 12 2021	270.08245	1.66986	1.64290	1.52159	1.43282	
August 13 2021	270.16313	1.67035	1.64339	1.52205	1.43325	
August 14 2021	270.24381	1.67085	1.64389	1.52250	1.43368	
August 15 2021	270.32448	1.67135	1.64438	1.52295	1.43411	
August 16 2021	270.40516	1.67185	1.64487	1.52341	1.43453	
August 17 2021	270.48584	1.67235	1.64536	1.52386	1.43496	
August 18 2021	270.56652	1.67285	1.64585	1.52432	1.43539	
August 19 2021	270.64719	1.67335	1.64634	1.52477	1.43582	
August 20 2021	270.72787	1.67385	1.64683	1.52523	1.43625	
August 21 2021	270.80855	1.67434	1.64732	1.52568	1.43667	
August 22 2021	270.88923	1.67484	1.64781	1.52614	1.43710	
August 23 2021	270.96990	1.67534	1.64830	1.52659	1.43753	
August 24 2021	271.05058	1.67584	1.64879	1.52705	1.43796	
August 25 2021	271.13126	1.67634	1.64928	1.52750	1.43839	
August 26 2021	271.21194	1.67684	1.64977	1.52795	1.43881	
August 27 2021	271.29261	1.67734	1.65027	1.52841	1.43924	
August 28 2021	271.37329	1.67784	1.65076	1.52886	1.43967	
August 29 2021	271.45397	1.67834	1.65125	1.52932	1.44010	
August 30 2021	271.53465	1.67883	1.65174	1.52977	1.44053	
August 31 2021	271.61532	1.67933	1.65223	1.53023	1.44095	
<b>CPI-U (NSA) for:</b>			<b>April 2021 267.054</b>	<b>May 2021 269.195</b>	<b>June 2021 271.696</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

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	
August 1 2021	269.19500	1.35630	1.33487	1.28496	1.25382	
August 2 2021	269.27568	1.35671	1.33527	1.28535	1.25420	
August 3 2021	269.35635	1.35711	1.33567	1.28573	1.25457	
August 4 2021	269.43703	1.35752	1.33607	1.28612	1.25495	
August 5 2021	269.51771	1.35793	1.33647	1.28650	1.25532	
August 6 2021	269.59839	1.35833	1.33687	1.28689	1.25570	
August 7 2021	269.67906	1.35874	1.33727	1.28727	1.25608	
August 8 2021	269.75974	1.35915	1.33767	1.28766	1.25645	
August 9 2021	269.84042	1.35955	1.33807	1.28804	1.25683	
August 10 2021	269.92110	1.35996	1.33847	1.28843	1.25720	
August 11 2021	270.00177	1.36037	1.33887	1.28881	1.25758	
August 12 2021	270.08245	1.36077	1.33927	1.28920	1.25795	
August 13 2021	270.16313	1.36118	1.33967	1.28958	1.25833	
August 14 2021	270.24381	1.36158	1.34007	1.28997	1.25871	
August 15 2021	270.32448	1.36199	1.34047	1.29035	1.25908	
August 16 2021	270.40516	1.36240	1.34087	1.29074	1.25946	
August 17 2021	270.48584	1.36280	1.34127	1.29112	1.25983	
August 18 2021	270.56652	1.36321	1.34167	1.29151	1.26021	
August 19 2021	270.64719	1.36362	1.34207	1.29189	1.26058	
August 20 2021	270.72787	1.36402	1.34247	1.29228	1.26096	
August 21 2021	270.80855	1.36443	1.34287	1.29266	1.26134	
August 22 2021	270.88923	1.36484	1.34327	1.29305	1.26171	
August 23 2021	270.96990	1.36524	1.34367	1.29343	1.26209	
August 24 2021	271.05058	1.36565	1.34407	1.29382	1.26246	
August 25 2021	271.13126	1.36606	1.34447	1.29420	1.26284	
August 26 2021	271.21194	1.36646	1.34487	1.29459	1.26322	
August 27 2021	271.29261	1.36687	1.34527	1.29497	1.26359	
August 28 2021	271.37329	1.36728	1.34567	1.29536	1.26397	
August 29 2021	271.45397	1.36768	1.34607	1.29574	1.26434	
August 30 2021	271.53465	1.36809	1.34647	1.29613	1.26472	
August 31 2021	271.61532	1.36849	1.34687	1.29652	1.26509	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

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	0-1/8% 10-Year TIPS Series A-2022 912828SA9 January 15, 2012 January 31, 2012 March 30, 2012 May 31, 2012	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	January 15, 2022 226.33474	February 15, 2042 225.96062
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.24547	1.22925	1.18937	1.19134	
August 2 2021	269.27568	1.24584	1.22962	1.18972	1.19169	
August 3 2021	269.35635	1.24622	1.22999	1.19008	1.19205	
August 4 2021	269.43703	1.24659	1.23036	1.19044	1.19241	
August 5 2021	269.51771	1.24696	1.23073	1.19079	1.19276	
August 6 2021	269.59839	1.24734	1.23109	1.19115	1.19312	
August 7 2021	269.67906	1.24771	1.23146	1.19151	1.19348	
August 8 2021	269.75974	1.24808	1.23183	1.19186	1.19384	
August 9 2021	269.84042	1.24845	1.23220	1.19222	1.19419	
August 10 2021	269.92110	1.24883	1.23257	1.19257	1.19455	
August 11 2021	270.00177	1.24920	1.23294	1.19293	1.19491	
August 12 2021	270.08245	1.24957	1.23330	1.19329	1.19526	
August 13 2021	270.16313	1.24995	1.23367	1.19364	1.19562	
August 14 2021	270.24381	1.25032	1.23404	1.19400	1.19598	
August 15 2021	270.32448	1.25069	1.23441	1.19436	1.19633	
August 16 2021	270.40516	1.25107	1.23478	1.19471	1.19669	
August 17 2021	270.48584	1.25144	1.23515	1.19507	1.19705	
August 18 2021	270.56652	1.25181	1.23551	1.19543	1.19741	
August 19 2021	270.64719	1.25219	1.23588	1.19578	1.19776	
August 20 2021	270.72787	1.25256	1.23625	1.19614	1.19812	
August 21 2021	270.80855	1.25293	1.23662	1.19650	1.19848	
August 22 2021	270.88923	1.25331	1.23699	1.19685	1.19883	
August 23 2021	270.96990	1.25368	1.23736	1.19721	1.19919	
August 24 2021	271.05058	1.25405	1.23772	1.19757	1.19955	
August 25 2021	271.13126	1.25443	1.23809	1.19792	1.19990	
August 26 2021	271.21194	1.25480	1.23846	1.19828	1.20026	
August 27 2021	271.29261	1.25517	1.23883	1.19863	1.20062	
August 28 2021	271.37329	1.25555	1.23920	1.19899	1.20098	
August 29 2021	271.45397	1.25592	1.23957	1.19935	1.20133	
August 30 2021	271.53465	1.25629	1.23994	1.19970	1.20169	
August 31 2021	271.61532	1.25667	1.24030	1.20006	1.20205	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series D-2022 912828TE0 July 15, 2012 July 31, 2012 September 28, 2012 November 30, 2012	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
Maturity Date: Ref CPI on Dated Date:			July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100	July 15, 2023 232.71797
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.17060	1.16624	1.17087	1.15674	
August 2 2021	269.27568	1.17095	1.16659	1.17122	1.15709	
August 3 2021	269.35635	1.17130	1.16694	1.17157	1.15744	
August 4 2021	269.43703	1.17165	1.16729	1.17192	1.15778	
August 5 2021	269.51771	1.17200	1.16764	1.17227	1.15813	
August 6 2021	269.59839	1.17236	1.16799	1.17262	1.15848	
August 7 2021	269.67906	1.17271	1.16834	1.17297	1.15882	
August 8 2021	269.75974	1.17306	1.16869	1.17332	1.15917	
August 9 2021	269.84042	1.17341	1.16904	1.17367	1.15952	
August 10 2021	269.92110	1.17376	1.16939	1.17402	1.15986	
August 11 2021	270.00177	1.17411	1.16974	1.17438	1.16021	
August 12 2021	270.08245	1.17446	1.17009	1.17473	1.16056	
August 13 2021	270.16313	1.17481	1.17044	1.17508	1.16090	
August 14 2021	270.24381	1.17516	1.17079	1.17543	1.16125	
August 15 2021	270.32448	1.17551	1.17114	1.17578	1.16160	
August 16 2021	270.40516	1.17586	1.17149	1.17613	1.16194	
August 17 2021	270.48584	1.17621	1.17184	1.17648	1.16229	
August 18 2021	270.56652	1.17657	1.17219	1.17683	1.16264	
August 19 2021	270.64719	1.17692	1.17254	1.17718	1.16298	
August 20 2021	270.72787	1.17727	1.17289	1.17753	1.16333	
August 21 2021	270.80855	1.17762	1.17324	1.17788	1.16368	
August 22 2021	270.88923	1.17797	1.17358	1.17824	1.16402	
August 23 2021	270.96990	1.17832	1.17393	1.17859	1.16437	
August 24 2021	271.05058	1.17867	1.17428	1.17894	1.16472	
August 25 2021	271.13126	1.17902	1.17463	1.17929	1.16506	
August 26 2021	271.21194	1.17937	1.17498	1.17964	1.16541	
August 27 2021	271.29261	1.17972	1.17533	1.17999	1.16576	
August 28 2021	271.37329	1.18007	1.17568	1.18034	1.16610	
August 29 2021	271.45397	1.18042	1.17603	1.18069	1.16645	
August 30 2021	271.53465	1.18078	1.17638	1.18104	1.16680	
August 31 2021	271.61532	1.18113	1.17673	1.18139	1.16714	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-5/8% 10-Year TIPS Series A-2024 912828B25 January 15, 2014 January 31, 2014 March 31, 2014 May 30, 2014	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2024 233.33058	February 15, 2044 233.05900	July 15, 2024 237.44594	January 15, 2025 236.85403
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.15371	1.15505	1.13371	1.13654	
August 2 2021	269.27568	1.15405	1.15540	1.13405	1.13688	
August 3 2021	269.35635	1.15440	1.15574	1.13439	1.13723	
August 4 2021	269.43703	1.15474	1.15609	1.13473	1.13757	
August 5 2021	269.51771	1.15509	1.15644	1.13507	1.13791	
August 6 2021	269.59839	1.15544	1.15678	1.13541	1.13825	
August 7 2021	269.67906	1.15578	1.15713	1.13575	1.13859	
August 8 2021	269.75974	1.15613	1.15747	1.13609	1.13893	
August 9 2021	269.84042	1.15647	1.15782	1.13643	1.13927	
August 10 2021	269.92110	1.15682	1.15817	1.13677	1.13961	
August 11 2021	270.00177	1.15716	1.15851	1.13711	1.13995	
August 12 2021	270.08245	1.15751	1.15886	1.13745	1.14029	
August 13 2021	270.16313	1.15786	1.15920	1.13779	1.14063	
August 14 2021	270.24381	1.15820	1.15955	1.13813	1.14097	
August 15 2021	270.32448	1.15855	1.15990	1.13847	1.14131	
August 16 2021	270.40516	1.15889	1.16024	1.13881	1.14165	
August 17 2021	270.48584	1.15924	1.16059	1.13915	1.14199	
August 18 2021	270.56652	1.15958	1.16094	1.13949	1.14233	
August 19 2021	270.64719	1.15993	1.16128	1.13983	1.14268	
August 20 2021	270.72787	1.16028	1.16163	1.14017	1.14302	
August 21 2021	270.80855	1.16062	1.16197	1.14051	1.14336	
August 22 2021	270.88923	1.16097	1.16232	1.14085	1.14370	
August 23 2021	270.96990	1.16131	1.16267	1.14119	1.14404	
August 24 2021	271.05058	1.16166	1.16301	1.14153	1.14438	
August 25 2021	271.13126	1.16200	1.16336	1.14187	1.14472	
August 26 2021	271.21194	1.16235	1.16371	1.14221	1.14506	
August 27 2021	271.29261	1.16270	1.16405	1.14254	1.14540	
August 28 2021	271.37329	1.16304	1.16440	1.14288	1.14574	
August 29 2021	271.45397	1.16339	1.16474	1.14322	1.14608	
August 30 2021	271.53465	1.16373	1.16509	1.14356	1.14642	
August 31 2021	271.61532	1.16408	1.16544	1.14390	1.14676	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-3/4% 30-Year TIPS TIPS of February 2045 912810RL4 February 15, 2015 February 27, 2015 June 30, 2015 October 30, 2015	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2045 235.48150	July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.14317	1.13516	1.13292	1.13611	
August 2 2021	269.27568	1.14351	1.13550	1.13326	1.13645	
August 3 2021	269.35635	1.14385	1.13584	1.13360	1.13679	
August 4 2021	269.43703	1.14420	1.13618	1.13394	1.13713	
August 5 2021	269.51771	1.14454	1.13652	1.13428	1.13747	
August 6 2021	269.59839	1.14488	1.13686	1.13462	1.13781	
August 7 2021	269.67906	1.14522	1.13720	1.13496	1.13815	
August 8 2021	269.75974	1.14557	1.13754	1.13530	1.13849	
August 9 2021	269.84042	1.14591	1.13788	1.13564	1.13883	
August 10 2021	269.92110	1.14625	1.13822	1.13598	1.13917	
August 11 2021	270.00177	1.14659	1.13856	1.13632	1.13951	
August 12 2021	270.08245	1.14694	1.13890	1.13666	1.13986	
August 13 2021	270.16313	1.14728	1.13924	1.13700	1.14020	
August 14 2021	270.24381	1.14762	1.13958	1.13734	1.14054	
August 15 2021	270.32448	1.14796	1.13992	1.13768	1.14088	
August 16 2021	270.40516	1.14831	1.14026	1.13801	1.14122	
August 17 2021	270.48584	1.14865	1.14060	1.13835	1.14156	
August 18 2021	270.56652	1.14899	1.14094	1.13869	1.14190	
August 19 2021	270.64719	1.14934	1.14128	1.13903	1.14224	
August 20 2021	270.72787	1.14968	1.14162	1.13937	1.14258	
August 21 2021	270.80855	1.15002	1.14196	1.13971	1.14292	
August 22 2021	270.88923	1.15036	1.14230	1.14005	1.14326	
August 23 2021	270.96990	1.15071	1.14264	1.14039	1.14360	
August 24 2021	271.05058	1.15105	1.14298	1.14073	1.14394	
August 25 2021	271.13126	1.15139	1.14332	1.14107	1.14428	
August 26 2021	271.21194	1.15173	1.14366	1.14141	1.14462	
August 27 2021	271.29261	1.15208	1.14400	1.14175	1.14496	
August 28 2021	271.37329	1.15242	1.14434	1.14209	1.14530	
August 29 2021	271.45397	1.15276	1.14468	1.14243	1.14564	
August 30 2021	271.53465	1.15310	1.14502	1.14277	1.14598	
August 31 2021	271.61532	1.15345	1.14536	1.14311	1.14632	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series D-2026 912828S50 July 15, 2016 July 29, 2016 September 30, 2016 November 30, 2016	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
Maturity Date: Ref CPI on Dated Date:			July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250	April 15, 2022 243.19553
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.12304	1.11441	1.11518	1.10691	
August 2 2021	269.27568	1.12338	1.11474	1.11551	1.10724	
August 3 2021	269.35635	1.12372	1.11507	1.11584	1.10757	
August 4 2021	269.43703	1.12405	1.11541	1.11618	1.10790	
August 5 2021	269.51771	1.12439	1.11574	1.11651	1.10823	
August 6 2021	269.59839	1.12473	1.11608	1.11685	1.10857	
August 7 2021	269.67906	1.12506	1.11641	1.11718	1.10890	
August 8 2021	269.75974	1.12540	1.11674	1.11752	1.10923	
August 9 2021	269.84042	1.12574	1.11708	1.11785	1.10956	
August 10 2021	269.92110	1.12607	1.11741	1.11818	1.10989	
August 11 2021	270.00177	1.12641	1.11775	1.11852	1.11023	
August 12 2021	270.08245	1.12675	1.11808	1.11885	1.11056	
August 13 2021	270.16313	1.12708	1.11841	1.11919	1.11089	
August 14 2021	270.24381	1.12742	1.11875	1.11952	1.11122	
August 15 2021	270.32448	1.12776	1.11908	1.11985	1.11155	
August 16 2021	270.40516	1.12809	1.11942	1.12019	1.11188	
August 17 2021	270.48584	1.12843	1.11975	1.12052	1.11222	
August 18 2021	270.56652	1.12877	1.12008	1.12086	1.11255	
August 19 2021	270.64719	1.12910	1.12042	1.12119	1.11288	
August 20 2021	270.72787	1.12944	1.12075	1.12153	1.11321	
August 21 2021	270.80855	1.12977	1.12109	1.12186	1.11354	
August 22 2021	270.88923	1.13011	1.12142	1.12219	1.11387	
August 23 2021	270.96990	1.13045	1.12175	1.12253	1.11421	
August 24 2021	271.05058	1.13078	1.12209	1.12286	1.11454	
August 25 2021	271.13126	1.13112	1.12242	1.12320	1.11487	
August 26 2021	271.21194	1.13146	1.12276	1.12353	1.11520	
August 27 2021	271.29261	1.13179	1.12309	1.12387	1.11553	
August 28 2021	271.37329	1.13213	1.12342	1.12420	1.11586	
August 29 2021	271.45397	1.13247	1.12376	1.12453	1.11620	
August 30 2021	271.53465	1.13280	1.12409	1.12487	1.11653	
August 31 2021	271.61532	1.13314	1.12443	1.12520	1.11686	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			July 15, 2027 244.61839	January 15, 2028 246.66571	February 15, 2048 246.59650	April 15, 2023 248.39153
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.10047	1.09134	1.09164	1.08375	
August 2 2021	269.27568	1.10080	1.09166	1.09197	1.08408	
August 3 2021	269.35635	1.10113	1.09199	1.09230	1.08440	
August 4 2021	269.43703	1.10146	1.09232	1.09262	1.08473	
August 5 2021	269.51771	1.10179	1.09264	1.09295	1.08505	
August 6 2021	269.59839	1.10212	1.09297	1.09328	1.08538	
August 7 2021	269.67906	1.10245	1.09330	1.09360	1.08570	
August 8 2021	269.75974	1.10278	1.09362	1.09393	1.08603	
August 9 2021	269.84042	1.10311	1.09395	1.09426	1.08635	
August 10 2021	269.92110	1.10344	1.09428	1.09459	1.08668	
August 11 2021	270.00177	1.10377	1.09461	1.09491	1.08700	
August 12 2021	270.08245	1.10410	1.09493	1.09524	1.08733	
August 13 2021	270.16313	1.10443	1.09526	1.09557	1.08765	
August 14 2021	270.24381	1.10476	1.09559	1.09589	1.08798	
August 15 2021	270.32448	1.10509	1.09591	1.09622	1.08830	
August 16 2021	270.40516	1.10542	1.09624	1.09655	1.08862	
August 17 2021	270.48584	1.10575	1.09657	1.09688	1.08895	
August 18 2021	270.56652	1.10608	1.09690	1.09720	1.08927	
August 19 2021	270.64719	1.10641	1.09722	1.09753	1.08960	
August 20 2021	270.72787	1.10674	1.09755	1.09786	1.08992	
August 21 2021	270.80855	1.10707	1.09788	1.09818	1.09025	
August 22 2021	270.88923	1.10740	1.09820	1.09851	1.09057	
August 23 2021	270.96990	1.10772	1.09853	1.09884	1.09090	
August 24 2021	271.05058	1.10805	1.09886	1.09917	1.09122	
August 25 2021	271.13126	1.10838	1.09919	1.09949	1.09155	
August 26 2021	271.21194	1.10871	1.09951	1.09982	1.09187	
August 27 2021	271.29261	1.10904	1.09984	1.10015	1.09220	
August 28 2021	271.37329	1.10937	1.10017	1.10048	1.09252	
August 29 2021	271.45397	1.10970	1.10049	1.10080	1.09285	
August 30 2021	271.53465	1.11003	1.10082	1.10113	1.09317	
August 31 2021	271.61532	1.11036	1.10115	1.10146	1.09350	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>



**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/2% 5-Year TIPS Series X-2024 9128286N5 April 15, 2019 April 30, 2019 June 28, 2019
Maturity Date: Ref CPI on Dated Date:			July 15, 2028 251.01658	January 15, 2029 252.50248	February 15, 2049 251.63550	April 15, 2024 252.20853
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.07242	1.06611	1.06978	1.06735	
August 2 2021	269.27568	1.07274	1.06643	1.07010	1.06767	
August 3 2021	269.35635	1.07306	1.06675	1.07042	1.06799	
August 4 2021	269.43703	1.07338	1.06707	1.07074	1.06831	
August 5 2021	269.51771	1.07370	1.06739	1.07106	1.06863	
August 6 2021	269.59839	1.07403	1.06771	1.07138	1.06895	
August 7 2021	269.67906	1.07435	1.06803	1.07171	1.06927	
August 8 2021	269.75974	1.07467	1.06834	1.07203	1.06959	
August 9 2021	269.84042	1.07499	1.06866	1.07235	1.06991	
August 10 2021	269.92110	1.07531	1.06898	1.07267	1.07023	
August 11 2021	270.00177	1.07563	1.06930	1.07299	1.07055	
August 12 2021	270.08245	1.07595	1.06962	1.07331	1.07087	
August 13 2021	270.16313	1.07628	1.06994	1.07363	1.07119	
August 14 2021	270.24381	1.07660	1.07026	1.07395	1.07151	
August 15 2021	270.32448	1.07692	1.07058	1.07427	1.07183	
August 16 2021	270.40516	1.07724	1.07090	1.07459	1.07215	
August 17 2021	270.48584	1.07756	1.07122	1.07491	1.07247	
August 18 2021	270.56652	1.07788	1.07154	1.07523	1.07279	
August 19 2021	270.64719	1.07820	1.07186	1.07555	1.07311	
August 20 2021	270.72787	1.07853	1.07218	1.07587	1.07343	
August 21 2021	270.80855	1.07885	1.07250	1.07619	1.07375	
August 22 2021	270.88923	1.07917	1.07282	1.07651	1.07407	
August 23 2021	270.96990	1.07949	1.07314	1.07683	1.07439	
August 24 2021	271.05058	1.07981	1.07346	1.07716	1.07471	
August 25 2021	271.13126	1.08013	1.07378	1.07748	1.07503	
August 26 2021	271.21194	1.08045	1.07410	1.07780	1.07535	
August 27 2021	271.29261	1.08078	1.07442	1.07812	1.07567	
August 28 2021	271.37329	1.08110	1.07474	1.07844	1.07599	
August 29 2021	271.45397	1.08142	1.07505	1.07876	1.07631	
August 30 2021	271.53465	1.08174	1.07537	1.07908	1.07663	
August 31 2021	271.61532	1.08206	1.07569	1.07940	1.07695	
<b>CPI-U (NSA) for:</b>			<b>April 2021 267.054</b>	<b>May 2021 269.195</b>	<b>June 2021 271.696</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/4% 30-Year TIPS TIPS of February 2050 912810SM1 February 15, 2020 February 28, 2020 August 31, 2020
Maturity Date: Ref CPI on Dated Date:			July 15, 2029 255.79368	October 15, 2024 256.56513	January 15, 2030 257.28368	February 15, 2050 257.09503
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.05239	1.04923	1.04630	1.04706	
August 2 2021	269.27568	1.05271	1.04954	1.04661	1.04738	
August 3 2021	269.35635	1.05302	1.04986	1.04692	1.04769	
August 4 2021	269.43703	1.05334	1.05017	1.04724	1.04801	
August 5 2021	269.51771	1.05365	1.05048	1.04755	1.04832	
August 6 2021	269.59839	1.05397	1.05080	1.04786	1.04863	
August 7 2021	269.67906	1.05428	1.05111	1.04818	1.04895	
August 8 2021	269.75974	1.05460	1.05143	1.04849	1.04926	
August 9 2021	269.84042	1.05491	1.05174	1.04881	1.04957	
August 10 2021	269.92110	1.05523	1.05206	1.04912	1.04989	
August 11 2021	270.00177	1.05555	1.05237	1.04943	1.05020	
August 12 2021	270.08245	1.05586	1.05269	1.04975	1.05052	
August 13 2021	270.16313	1.05618	1.05300	1.05006	1.05083	
August 14 2021	270.24381	1.05649	1.05331	1.05037	1.05114	
August 15 2021	270.32448	1.05681	1.05363	1.05069	1.05146	
August 16 2021	270.40516	1.05712	1.05394	1.05100	1.05177	
August 17 2021	270.48584	1.05744	1.05426	1.05131	1.05209	
August 18 2021	270.56652	1.05775	1.05457	1.05163	1.05240	
August 19 2021	270.64719	1.05807	1.05489	1.05194	1.05271	
August 20 2021	270.72787	1.05838	1.05520	1.05225	1.05303	
August 21 2021	270.80855	1.05870	1.05552	1.05257	1.05334	
August 22 2021	270.88923	1.05901	1.05583	1.05288	1.05365	
August 23 2021	270.96990	1.05933	1.05614	1.05320	1.05397	
August 24 2021	271.05058	1.05965	1.05646	1.05351	1.05428	
August 25 2021	271.13126	1.05996	1.05677	1.05382	1.05460	
August 26 2021	271.21194	1.06028	1.05709	1.05414	1.05491	
August 27 2021	271.29261	1.06059	1.05740	1.05445	1.05522	
August 28 2021	271.37329	1.06091	1.05772	1.05476	1.05554	
August 29 2021	271.45397	1.06122	1.05803	1.05508	1.05585	
August 30 2021	271.53465	1.06154	1.05835	1.05539	1.05616	
August 31 2021	271.61532	1.06185	1.05866	1.05570	1.05648	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 10-Year TIPS Series A-2031 91282CBF7 January 15, 2021 January 29, 2021 March 31, 2021 May 28, 2021
Maturity Date: Ref CPI on Dated Date:			April 15, 2025 258.30093	July 15, 2030 256.39126	October 15, 2025 259.46997	January 15, 2031 260.31619
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
August 1 2021	269.19500	1.04218	1.04994	1.03748	1.03411	
August 2 2021	269.27568	1.04249	1.05025	1.03779	1.03442	
August 3 2021	269.35635	1.04280	1.05057	1.03810	1.03473	
August 4 2021	269.43703	1.04311	1.05088	1.03841	1.03504	
August 5 2021	269.51771	1.04343	1.05120	1.03872	1.03535	
August 6 2021	269.59839	1.04374	1.05151	1.03904	1.03566	
August 7 2021	269.67906	1.04405	1.05183	1.03935	1.03597	
August 8 2021	269.75974	1.04436	1.05214	1.03966	1.03628	
August 9 2021	269.84042	1.04467	1.05246	1.03997	1.03659	
August 10 2021	269.92110	1.04499	1.05277	1.04028	1.03690	
August 11 2021	270.00177	1.04530	1.05308	1.04059	1.03721	
August 12 2021	270.08245	1.04561	1.05340	1.04090	1.03752	
August 13 2021	270.16313	1.04592	1.05371	1.04121	1.03783	
August 14 2021	270.24381	1.04624	1.05403	1.04152	1.03814	
August 15 2021	270.32448	1.04655	1.05434	1.04183	1.03845	
August 16 2021	270.40516	1.04686	1.05466	1.04214	1.03876	
August 17 2021	270.48584	1.04717	1.05497	1.04246	1.03907	
August 18 2021	270.56652	1.04749	1.05529	1.04277	1.03938	
August 19 2021	270.64719	1.04780	1.05560	1.04308	1.03969	
August 20 2021	270.72787	1.04811	1.05592	1.04339	1.04000	
August 21 2021	270.80855	1.04842	1.05623	1.04370	1.04031	
August 22 2021	270.88923	1.04874	1.05655	1.04401	1.04062	
August 23 2021	270.96990	1.04905	1.05686	1.04432	1.04093	
August 24 2021	271.05058	1.04936	1.05718	1.04463	1.04124	
August 25 2021	271.13126	1.04967	1.05749	1.04494	1.04155	
August 26 2021	271.21194	1.04998	1.05780	1.04525	1.04186	
August 27 2021	271.29261	1.05030	1.05812	1.04556	1.04217	
August 28 2021	271.37329	1.05061	1.05843	1.04588	1.04248	
August 29 2021	271.45397	1.05092	1.05875	1.04619	1.04279	
August 30 2021	271.53465	1.05123	1.05906	1.04650	1.04310	
August 31 2021	271.61532	1.05155	1.05938	1.04681	1.04341	
<b>CPI-U (NSA) for:</b>	<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**August 2021**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 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:			February 15, 2051 260.35150	April 15, 2026 262.25027				
Date			Ref CPI	Index Ratio	Index Ratio			
August	1	2021	269.19500	1.03397	1.02648			
August	2	2021	269.27568	1.03428	1.02679			
August	3	2021	269.35635	1.03459	1.02710			
August	4	2021	269.43703	1.03490	1.02740			
August	5	2021	269.51771	1.03521	1.02771			
August	6	2021	269.59839	1.03552	1.02802			
August	7	2021	269.67906	1.03583	1.02833			
August	8	2021	269.75974	1.03614	1.02863			
August	9	2021	269.84042	1.03645	1.02894			
August	10	2021	269.92110	1.03676	1.02925			
August	11	2021	270.00177	1.03707	1.02956			
August	12	2021	270.08245	1.03738	1.02987			
August	13	2021	270.16313	1.03769	1.03017			
August	14	2021	270.24381	1.03800	1.03048			
August	15	2021	270.32448	1.03831	1.03079			
August	16	2021	270.40516	1.03862	1.03110			
August	17	2021	270.48584	1.03893	1.03140			
August	18	2021	270.56652	1.03924	1.03171			
August	19	2021	270.64719	1.03955	1.03202			
August	20	2021	270.72787	1.03986	1.03233			
August	21	2021	270.80855	1.04017	1.03263			
August	22	2021	270.88923	1.04048	1.03294			
August	23	2021	270.96990	1.04078	1.03325			
August	24	2021	271.05058	1.04109	1.03356			
August	25	2021	271.13126	1.04140	1.03386			
August	26	2021	271.21194	1.04171	1.03417			
August	27	2021	271.29261	1.04202	1.03448			
August	28	2021	271.37329	1.04233	1.03479			
August	29	2021	271.45397	1.04264	1.03510			
August	30	2021	271.53465	1.04295	1.03540			
August	31	2021	271.61532	1.04326	1.03571			
<b>CPI-U (NSA) for:</b>			<b>April 2021</b>	<b>267.054</b>	<b>May 2021</b>	<b>269.195</b>	<b>June 2021</b>	<b>271.696</b>