

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 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	
June 1 2021	264.87700	1.63767	1.61124	1.49226	1.40521	
June 2 2021	264.94957	1.63812	1.61168	1.49267	1.40559	
June 3 2021	265.02213	1.63857	1.61212	1.49308	1.40598	
June 4 2021	265.09470	1.63902	1.61256	1.49349	1.40636	
June 5 2021	265.16727	1.63947	1.61301	1.49390	1.40675	
June 6 2021	265.23983	1.63991	1.61345	1.49431	1.40713	
June 7 2021	265.31240	1.64036	1.61389	1.49472	1.40752	
June 8 2021	265.38497	1.64081	1.61433	1.49513	1.40790	
June 9 2021	265.45753	1.64126	1.61477	1.49554	1.40829	
June 10 2021	265.53010	1.64171	1.61521	1.49594	1.40867	
June 11 2021	265.60267	1.64216	1.61565	1.49635	1.40906	
June 12 2021	265.67523	1.64261	1.61609	1.49676	1.40944	
June 13 2021	265.74780	1.64306	1.61654	1.49717	1.40983	
June 14 2021	265.82037	1.64350	1.61698	1.49758	1.41021	
June 15 2021	265.89293	1.64395	1.61742	1.49799	1.41060	
June 16 2021	265.96550	1.64440	1.61786	1.49840	1.41098	
June 17 2021	266.03807	1.64485	1.61830	1.49881	1.41137	
June 18 2021	266.11063	1.64530	1.61874	1.49921	1.41175	
June 19 2021	266.18320	1.64575	1.61918	1.49962	1.41214	
June 20 2021	266.25577	1.64620	1.61963	1.50003	1.41252	
June 21 2021	266.32833	1.64664	1.62007	1.50044	1.41291	
June 22 2021	266.40090	1.64709	1.62051	1.50085	1.41329	
June 23 2021	266.47347	1.64754	1.62095	1.50126	1.41368	
June 24 2021	266.54603	1.64799	1.62139	1.50167	1.41406	
June 25 2021	266.61860	1.64844	1.62183	1.50208	1.41445	
June 26 2021	266.69117	1.64889	1.62227	1.50249	1.41483	
June 27 2021	266.76373	1.64934	1.62272	1.50289	1.41522	
June 28 2021	266.83630	1.64979	1.62316	1.50330	1.41560	
June 29 2021	266.90887	1.65023	1.62360	1.50371	1.41599	
June 30 2021	266.98143	1.65068	1.62404	1.50412	1.41637	
<b>CPI-U (NSA) for:</b>			<b>February 2021 263.014</b>	<b>March 2021 264.877</b>	<b>April 2021 267.054</b>	

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

<b>Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):</b>			<b>2% 20-Year TIPS TIPS of January 2026 912810FS2 January 15, 2006 January 31, 2006 July 31, 2006</b>	<b>2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007</b>	<b>1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008</b>	<b>2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009</b>
<b>Maturity Date: Ref CPI on Dated Date:</b>			<b>January 15, 2026 198.47742</b>	<b>January 15, 2027 201.66452</b>	<b>January 15, 2028 209.49645</b>	<b>January 15, 2029 214.69971</b>
<b>Date</b>	<b>Ref CPI</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	
June 1 2021	264.87700	1.33454	1.31345	1.26435	1.23371	
June 2 2021	264.94957	1.33491	1.31381	1.26470	1.23405	
June 3 2021	265.02213	1.33528	1.31417	1.26504	1.23439	
June 4 2021	265.09470	1.33564	1.31453	1.26539	1.23472	
June 5 2021	265.16727	1.33601	1.31489	1.26574	1.23506	
June 6 2021	265.23983	1.33637	1.31525	1.26608	1.23540	
June 7 2021	265.31240	1.33674	1.31561	1.26643	1.23574	
June 8 2021	265.38497	1.33710	1.31597	1.26678	1.23608	
June 9 2021	265.45753	1.33747	1.31633	1.26712	1.23641	
June 10 2021	265.53010	1.33784	1.31669	1.26747	1.23675	
June 11 2021	265.60267	1.33820	1.31705	1.26781	1.23709	
June 12 2021	265.67523	1.33857	1.31741	1.26816	1.23743	
June 13 2021	265.74780	1.33893	1.31777	1.26851	1.23777	
June 14 2021	265.82037	1.33930	1.31813	1.26885	1.23810	
June 15 2021	265.89293	1.33966	1.31849	1.26920	1.23844	
June 16 2021	265.96550	1.34003	1.31885	1.26955	1.23878	
June 17 2021	266.03807	1.34039	1.31921	1.26989	1.23912	
June 18 2021	266.11063	1.34076	1.31957	1.27024	1.23946	
June 19 2021	266.18320	1.34113	1.31993	1.27059	1.23979	
June 20 2021	266.25577	1.34149	1.32029	1.27093	1.24013	
June 21 2021	266.32833	1.34186	1.32065	1.27128	1.24047	
June 22 2021	266.40090	1.34222	1.32101	1.27162	1.24081	
June 23 2021	266.47347	1.34259	1.32137	1.27197	1.24114	
June 24 2021	266.54603	1.34295	1.32173	1.27232	1.24148	
June 25 2021	266.61860	1.34332	1.32209	1.27266	1.24182	
June 26 2021	266.69117	1.34369	1.32245	1.27301	1.24216	
June 27 2021	266.76373	1.34405	1.32281	1.27336	1.24250	
June 28 2021	266.83630	1.34442	1.32317	1.27370	1.24283	
June 29 2021	266.90887	1.34478	1.32353	1.27405	1.24317	
June 30 2021	266.98143	1.34515	1.32389	1.27440	1.24351	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 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	0-5/8% 10-Year TIPS Series D-2021 912828QV5 July 15, 2011 July 29, 2011 September 30, 2011 November 30, 2011	0-1/8% 10-Year TIPS Series A-2022 912828SA9 January 15, 2012 January 31, 2012 March 30, 2012 May 31, 2012
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	July 15, 2021 225.38381	January 15, 2022 226.33474
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.22549	1.20953	1.17523	1.17029	
June 2 2021	264.94957	1.22583	1.20987	1.17555	1.17061	
June 3 2021	265.02213	1.22616	1.21020	1.17587	1.17093	
June 4 2021	265.09470	1.22650	1.21053	1.17619	1.17125	
June 5 2021	265.16727	1.22683	1.21086	1.17651	1.17157	
June 6 2021	265.23983	1.22717	1.21119	1.17684	1.17189	
June 7 2021	265.31240	1.22751	1.21152	1.17716	1.17221	
June 8 2021	265.38497	1.22784	1.21185	1.17748	1.17253	
June 9 2021	265.45753	1.22818	1.21218	1.17780	1.17285	
June 10 2021	265.53010	1.22851	1.21252	1.17812	1.17317	
June 11 2021	265.60267	1.22885	1.21285	1.17845	1.17349	
June 12 2021	265.67523	1.22918	1.21318	1.17877	1.17382	
June 13 2021	265.74780	1.22952	1.21351	1.17909	1.17414	
June 14 2021	265.82037	1.22986	1.21384	1.17941	1.17446	
June 15 2021	265.89293	1.23019	1.21417	1.17973	1.17478	
June 16 2021	265.96550	1.23053	1.21450	1.18006	1.17510	
June 17 2021	266.03807	1.23086	1.21484	1.18038	1.17542	
June 18 2021	266.11063	1.23120	1.21517	1.18070	1.17574	
June 19 2021	266.18320	1.23153	1.21550	1.18102	1.17606	
June 20 2021	266.25577	1.23187	1.21583	1.18134	1.17638	
June 21 2021	266.32833	1.23221	1.21616	1.18167	1.17670	
June 22 2021	266.40090	1.23254	1.21649	1.18199	1.17702	
June 23 2021	266.47347	1.23288	1.21682	1.18231	1.17734	
June 24 2021	266.54603	1.23321	1.21716	1.18263	1.17766	
June 25 2021	266.61860	1.23355	1.21749	1.18295	1.17798	
June 26 2021	266.69117	1.23388	1.21782	1.18328	1.17830	
June 27 2021	266.76373	1.23422	1.21815	1.18360	1.17862	
June 28 2021	266.83630	1.23456	1.21848	1.18392	1.17895	
June 29 2021	266.90887	1.23489	1.21881	1.18424	1.17927	
June 30 2021	266.98143	1.23523	1.21914	1.18456	1.17959	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2042 225.96062	July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.17223	1.15182	1.14754	1.15208	
June 2 2021	264.94957	1.17255	1.15214	1.14785	1.15240	
June 3 2021	265.02213	1.17287	1.15246	1.14817	1.15272	
June 4 2021	265.09470	1.17319	1.15277	1.14848	1.15303	
June 5 2021	265.16727	1.17351	1.15309	1.14880	1.15335	
June 6 2021	265.23983	1.17383	1.15340	1.14911	1.15366	
June 7 2021	265.31240	1.17415	1.15372	1.14942	1.15398	
June 8 2021	265.38497	1.17447	1.15403	1.14974	1.15429	
June 9 2021	265.45753	1.17480	1.15435	1.15005	1.15461	
June 10 2021	265.53010	1.17512	1.15466	1.15037	1.15493	
June 11 2021	265.60267	1.17544	1.15498	1.15068	1.15524	
June 12 2021	265.67523	1.17576	1.15530	1.15100	1.15556	
June 13 2021	265.74780	1.17608	1.15561	1.15131	1.15587	
June 14 2021	265.82037	1.17640	1.15593	1.15162	1.15619	
June 15 2021	265.89293	1.17672	1.15624	1.15194	1.15650	
June 16 2021	265.96550	1.17704	1.15656	1.15225	1.15682	
June 17 2021	266.03807	1.17736	1.15687	1.15257	1.15714	
June 18 2021	266.11063	1.17769	1.15719	1.15288	1.15745	
June 19 2021	266.18320	1.17801	1.15750	1.15320	1.15777	
June 20 2021	266.25577	1.17833	1.15782	1.15351	1.15808	
June 21 2021	266.32833	1.17865	1.15814	1.15383	1.15840	
June 22 2021	266.40090	1.17897	1.15845	1.15414	1.15871	
June 23 2021	266.47347	1.17929	1.15877	1.15445	1.15903	
June 24 2021	266.54603	1.17961	1.15908	1.15477	1.15934	
June 25 2021	266.61860	1.17993	1.15940	1.15508	1.15966	
June 26 2021	266.69117	1.18026	1.15971	1.15540	1.15998	
June 27 2021	266.76373	1.18058	1.16003	1.15571	1.16029	
June 28 2021	266.83630	1.18090	1.16034	1.15603	1.16061	
June 29 2021	266.90887	1.18122	1.16066	1.15634	1.16092	
June 30 2021	266.98143	1.18154	1.16098	1.15665	1.16124	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			July 15, 2023 232.71797	January 15, 2024 233.33058	February 15, 2044 233.05900	July 15, 2024 237.44594
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.13819	1.13520	1.13652	1.11553	
June 2 2021	264.94957	1.13850	1.13551	1.13683	1.11583	
June 3 2021	265.02213	1.13881	1.13582	1.13715	1.11614	
June 4 2021	265.09470	1.13912	1.13613	1.13746	1.11644	
June 5 2021	265.16727	1.13944	1.13644	1.13777	1.11675	
June 6 2021	265.23983	1.13975	1.13676	1.13808	1.11705	
June 7 2021	265.31240	1.14006	1.13707	1.13839	1.11736	
June 8 2021	265.38497	1.14037	1.13738	1.13870	1.11766	
June 9 2021	265.45753	1.14068	1.13769	1.13901	1.11797	
June 10 2021	265.53010	1.14100	1.13800	1.13933	1.11828	
June 11 2021	265.60267	1.14131	1.13831	1.13964	1.11858	
June 12 2021	265.67523	1.14162	1.13862	1.13995	1.11889	
June 13 2021	265.74780	1.14193	1.13893	1.14026	1.11919	
June 14 2021	265.82037	1.14224	1.13924	1.14057	1.11950	
June 15 2021	265.89293	1.14255	1.13955	1.14088	1.11980	
June 16 2021	265.96550	1.14287	1.13987	1.14119	1.12011	
June 17 2021	266.03807	1.14318	1.14018	1.14151	1.12042	
June 18 2021	266.11063	1.14349	1.14049	1.14182	1.12072	
June 19 2021	266.18320	1.14380	1.14080	1.14213	1.12103	
June 20 2021	266.25577	1.14411	1.14111	1.14244	1.12133	
June 21 2021	266.32833	1.14443	1.14142	1.14275	1.12164	
June 22 2021	266.40090	1.14474	1.14173	1.14306	1.12194	
June 23 2021	266.47347	1.14505	1.14204	1.14337	1.12225	
June 24 2021	266.54603	1.14536	1.14235	1.14368	1.12255	
June 25 2021	266.61860	1.14567	1.14266	1.14400	1.12286	
June 26 2021	266.69117	1.14598	1.14298	1.14431	1.12317	
June 27 2021	266.76373	1.14630	1.14329	1.14462	1.12347	
June 28 2021	266.83630	1.14661	1.14360	1.14493	1.12378	
June 29 2021	266.90887	1.14692	1.14391	1.14524	1.12408	
June 30 2021	266.98143	1.14723	1.14422	1.14555	1.12439	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/4% 10-Year TIPS Series A-2025 912828H45 January 15, 2015 February 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	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2025 236.85403	February 15, 2045 235.48150	July 15, 2025 237.14365	January 15, 2026 237.61129
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.11831	1.12483	1.11695	1.11475	
June 2 2021	264.94957	1.11862	1.12514	1.11725	1.11505	
June 3 2021	265.02213	1.11893	1.12545	1.11756	1.11536	
June 4 2021	265.09470	1.11923	1.12576	1.11787	1.11567	
June 5 2021	265.16727	1.11954	1.12606	1.11817	1.11597	
June 6 2021	265.23983	1.11985	1.12637	1.11848	1.11628	
June 7 2021	265.31240	1.12015	1.12668	1.11878	1.11658	
June 8 2021	265.38497	1.12046	1.12699	1.11909	1.11689	
June 9 2021	265.45753	1.12076	1.12730	1.11940	1.11719	
June 10 2021	265.53010	1.12107	1.12760	1.11970	1.11750	
June 11 2021	265.60267	1.12138	1.12791	1.12001	1.11780	
June 12 2021	265.67523	1.12168	1.12822	1.12031	1.11811	
June 13 2021	265.74780	1.12199	1.12853	1.12062	1.11841	
June 14 2021	265.82037	1.12230	1.12884	1.12093	1.11872	
June 15 2021	265.89293	1.12260	1.12915	1.12123	1.11902	
June 16 2021	265.96550	1.12291	1.12945	1.12154	1.11933	
June 17 2021	266.03807	1.12322	1.12976	1.12184	1.11964	
June 18 2021	266.11063	1.12352	1.13007	1.12215	1.11994	
June 19 2021	266.18320	1.12383	1.13038	1.12246	1.12025	
June 20 2021	266.25577	1.12413	1.13069	1.12276	1.12055	
June 21 2021	266.32833	1.12444	1.13099	1.12307	1.12086	
June 22 2021	266.40090	1.12475	1.13130	1.12337	1.12116	
June 23 2021	266.47347	1.12505	1.13161	1.12368	1.12147	
June 24 2021	266.54603	1.12536	1.13192	1.12399	1.12177	
June 25 2021	266.61860	1.12567	1.13223	1.12429	1.12208	
June 26 2021	266.69117	1.12597	1.13254	1.12460	1.12238	
June 27 2021	266.76373	1.12628	1.13284	1.12490	1.12269	
June 28 2021	266.83630	1.12659	1.13315	1.12521	1.12300	
June 29 2021	266.90887	1.12689	1.13346	1.12552	1.12330	
June 30 2021	266.98143	1.12720	1.13377	1.12582	1.12361	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2046 236.94448	July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.11789	1.10503	1.09653	1.09729	
June 2 2021	264.94957	1.11819	1.10533	1.09683	1.09759	
June 3 2021	265.02213	1.11850	1.10563	1.09713	1.09789	
June 4 2021	265.09470	1.11881	1.10594	1.09743	1.09819	
June 5 2021	265.16727	1.11911	1.10624	1.09773	1.09849	
June 6 2021	265.23983	1.11942	1.10654	1.09803	1.09879	
June 7 2021	265.31240	1.11972	1.10685	1.09833	1.09909	
June 8 2021	265.38497	1.12003	1.10715	1.09863	1.09939	
June 9 2021	265.45753	1.12034	1.10745	1.09893	1.09969	
June 10 2021	265.53010	1.12064	1.10775	1.09923	1.09999	
June 11 2021	265.60267	1.12095	1.10806	1.09953	1.10029	
June 12 2021	265.67523	1.12126	1.10836	1.09983	1.10059	
June 13 2021	265.74780	1.12156	1.10866	1.10014	1.10090	
June 14 2021	265.82037	1.12187	1.10896	1.10044	1.10120	
June 15 2021	265.89293	1.12217	1.10927	1.10074	1.10150	
June 16 2021	265.96550	1.12248	1.10957	1.10104	1.10180	
June 17 2021	266.03807	1.12279	1.10987	1.10134	1.10210	
June 18 2021	266.11063	1.12309	1.11018	1.10164	1.10240	
June 19 2021	266.18320	1.12340	1.11048	1.10194	1.10270	
June 20 2021	266.25577	1.12371	1.11078	1.10224	1.10300	
June 21 2021	266.32833	1.12401	1.11108	1.10254	1.10330	
June 22 2021	266.40090	1.12432	1.11139	1.10284	1.10360	
June 23 2021	266.47347	1.12462	1.11169	1.10314	1.10390	
June 24 2021	266.54603	1.12493	1.11199	1.10344	1.10420	
June 25 2021	266.61860	1.12524	1.11230	1.10374	1.10450	
June 26 2021	266.69117	1.12554	1.11260	1.10404	1.10480	
June 27 2021	266.76373	1.12585	1.11290	1.10434	1.10510	
June 28 2021	266.83630	1.12616	1.11320	1.10464	1.10540	
June 29 2021	266.90887	1.12646	1.11351	1.10494	1.10570	
June 30 2021	266.98143	1.12677	1.11381	1.10524	1.10601	
<b>CPI-U (NSA) for:</b>			<b>February 2021 263.014</b>	<b>March 2021 264.877</b>	<b>April 2021 267.054</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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 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
Maturity Date: Ref CPI on Dated Date:			April 15, 2022 243.19553	July 15, 2027 244.61839	January 15, 2028 246.66571	February 15, 2048 246.59650
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2021	264.87700	1.08915	1.08282	1.07383	1.07413	
June 2 2021	264.94957	1.08945	1.08311	1.07412	1.07443	
June 3 2021	265.02213	1.08975	1.08341	1.07442	1.07472	
June 4 2021	265.09470	1.09005	1.08371	1.07471	1.07501	
June 5 2021	265.16727	1.09035	1.08400	1.07501	1.07531	
June 6 2021	265.23983	1.09064	1.08430	1.07530	1.07560	
June 7 2021	265.31240	1.09094	1.08460	1.07559	1.07590	
June 8 2021	265.38497	1.09124	1.08489	1.07589	1.07619	
June 9 2021	265.45753	1.09154	1.08519	1.07618	1.07649	
June 10 2021	265.53010	1.09184	1.08549	1.07648	1.07678	
June 11 2021	265.60267	1.09214	1.08578	1.07677	1.07707	
June 12 2021	265.67523	1.09243	1.08608	1.07707	1.07737	
June 13 2021	265.74780	1.09273	1.08638	1.07736	1.07766	
June 14 2021	265.82037	1.09303	1.08667	1.07765	1.07796	
June 15 2021	265.89293	1.09333	1.08697	1.07795	1.07825	
June 16 2021	265.96550	1.09363	1.08727	1.07824	1.07855	
June 17 2021	266.03807	1.09393	1.08756	1.07854	1.07884	
June 18 2021	266.11063	1.09423	1.08786	1.07883	1.07913	
June 19 2021	266.18320	1.09452	1.08816	1.07913	1.07943	
June 20 2021	266.25577	1.09482	1.08845	1.07942	1.07972	
June 21 2021	266.32833	1.09512	1.08875	1.07971	1.08002	
June 22 2021	266.40090	1.09542	1.08905	1.08001	1.08031	
June 23 2021	266.47347	1.09572	1.08934	1.08030	1.08061	
June 24 2021	266.54603	1.09602	1.08964	1.08060	1.08090	
June 25 2021	266.61860	1.09631	1.08994	1.08089	1.08119	
June 26 2021	266.69117	1.09661	1.09023	1.08118	1.08149	
June 27 2021	266.76373	1.09691	1.09053	1.08148	1.08178	
June 28 2021	266.83630	1.09721	1.09083	1.08177	1.08208	
June 29 2021	266.90887	1.09751	1.09112	1.08207	1.08237	
June 30 2021	266.98143	1.09781	1.09142	1.08236	1.08267	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>



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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-5/8% 5-Year TIPS Series X-2023 9128284H0 April 15, 2018 April 30, 2018 August 31, 2018 December 31, 2018	0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018	0-7/8% 10-Year TIPS Series A-2029 9128285W6 January 15, 2019 January 31, 2019 March 29, 2019 May 31, 2019	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:			April 15, 2023 248.39153	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	
June 1 2021	264.87700	1.06637	1.05522	1.04901	1.05262	
June 2 2021	264.94957	1.06666	1.05551	1.04929	1.05291	
June 3 2021	265.02213	1.06695	1.05580	1.04958	1.05320	
June 4 2021	265.09470	1.06725	1.05608	1.04987	1.05349	
June 5 2021	265.16727	1.06754	1.05637	1.05016	1.05378	
June 6 2021	265.23983	1.06783	1.05666	1.05044	1.05406	
June 7 2021	265.31240	1.06812	1.05695	1.05073	1.05435	
June 8 2021	265.38497	1.06841	1.05724	1.05102	1.05464	
June 9 2021	265.45753	1.06871	1.05753	1.05131	1.05493	
June 10 2021	265.53010	1.06900	1.05782	1.05159	1.05522	
June 11 2021	265.60267	1.06929	1.05811	1.05188	1.05551	
June 12 2021	265.67523	1.06958	1.05840	1.05217	1.05579	
June 13 2021	265.74780	1.06987	1.05869	1.05246	1.05608	
June 14 2021	265.82037	1.07017	1.05898	1.05274	1.05637	
June 15 2021	265.89293	1.07046	1.05926	1.05303	1.05666	
June 16 2021	265.96550	1.07075	1.05955	1.05332	1.05695	
June 17 2021	266.03807	1.07104	1.05984	1.05361	1.05724	
June 18 2021	266.11063	1.07134	1.06013	1.05389	1.05752	
June 19 2021	266.18320	1.07163	1.06042	1.05418	1.05781	
June 20 2021	266.25577	1.07192	1.06071	1.05447	1.05810	
June 21 2021	266.32833	1.07221	1.06100	1.05476	1.05839	
June 22 2021	266.40090	1.07250	1.06129	1.05504	1.05868	
June 23 2021	266.47347	1.07280	1.06158	1.05533	1.05897	
June 24 2021	266.54603	1.07309	1.06187	1.05562	1.05925	
June 25 2021	266.61860	1.07338	1.06216	1.05590	1.05954	
June 26 2021	266.69117	1.07367	1.06244	1.05619	1.05983	
June 27 2021	266.76373	1.07396	1.06273	1.05648	1.06012	
June 28 2021	266.83630	1.07426	1.06302	1.05677	1.06041	
June 29 2021	266.90887	1.07455	1.06331	1.05705	1.06070	
June 30 2021	266.98143	1.07484	1.06360	1.05734	1.06098	
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>

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

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	
June 1 2021	264.87700	1.05023	1.03551	1.03240	1.02951	
June 2 2021	264.94957	1.05052	1.03579	1.03268	1.02980	
June 3 2021	265.02213	1.05081	1.03608	1.03296	1.03008	
June 4 2021	265.09470	1.05109	1.03636	1.03325	1.03036	
June 5 2021	265.16727	1.05138	1.03665	1.03353	1.03064	
June 6 2021	265.23983	1.05167	1.03693	1.03381	1.03092	
June 7 2021	265.31240	1.05196	1.03721	1.03409	1.03121	
June 8 2021	265.38497	1.05224	1.03750	1.03438	1.03149	
June 9 2021	265.45753	1.05253	1.03778	1.03466	1.03177	
June 10 2021	265.53010	1.05282	1.03806	1.03494	1.03205	
June 11 2021	265.60267	1.05311	1.03835	1.03523	1.03233	
June 12 2021	265.67523	1.05340	1.03863	1.03551	1.03262	
June 13 2021	265.74780	1.05368	1.03891	1.03579	1.03290	
June 14 2021	265.82037	1.05397	1.03920	1.03607	1.03318	
June 15 2021	265.89293	1.05426	1.03948	1.03636	1.03346	
June 16 2021	265.96550	1.05455	1.03977	1.03664	1.03374	
June 17 2021	266.03807	1.05483	1.04005	1.03692	1.03403	
June 18 2021	266.11063	1.05512	1.04033	1.03720	1.03431	
June 19 2021	266.18320	1.05541	1.04062	1.03749	1.03459	
June 20 2021	266.25577	1.05570	1.04090	1.03777	1.03487	
June 21 2021	266.32833	1.05598	1.04118	1.03805	1.03515	
June 22 2021	266.40090	1.05627	1.04147	1.03834	1.03544	
June 23 2021	266.47347	1.05656	1.04175	1.03862	1.03572	
June 24 2021	266.54603	1.05685	1.04204	1.03890	1.03600	
June 25 2021	266.61860	1.05714	1.04232	1.03918	1.03628	
June 26 2021	266.69117	1.05742	1.04260	1.03947	1.03656	
June 27 2021	266.76373	1.05771	1.04289	1.03975	1.03685	
June 28 2021	266.83630	1.05800	1.04317	1.04003	1.03713	
June 29 2021	266.90887	1.05829	1.04345	1.04032	1.03741	
June 30 2021	266.98143	1.05857	1.04374	1.04060	1.03769	
<b>CPI-U (NSA) for:</b>			<b>February 2021 263.014</b>	<b>March 2021 264.877</b>	<b>April 2021 267.054</b>	

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

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	
June 1 2021	264.87700	1.03027	1.02546	1.03310	1.02084	
June 2 2021	264.94957	1.03055	1.02574	1.03338	1.02112	
June 3 2021	265.02213	1.03083	1.02602	1.03366	1.02140	
June 4 2021	265.09470	1.03112	1.02630	1.03395	1.02168	
June 5 2021	265.16727	1.03140	1.02658	1.03423	1.02196	
June 6 2021	265.23983	1.03168	1.02686	1.03451	1.02224	
June 7 2021	265.31240	1.03196	1.02714	1.03480	1.02252	
June 8 2021	265.38497	1.03224	1.02743	1.03508	1.02280	
June 9 2021	265.45753	1.03253	1.02771	1.03536	1.02308	
June 10 2021	265.53010	1.03281	1.02799	1.03564	1.02336	
June 11 2021	265.60267	1.03309	1.02827	1.03593	1.02364	
June 12 2021	265.67523	1.03337	1.02855	1.03621	1.02392	
June 13 2021	265.74780	1.03366	1.02883	1.03649	1.02419	
June 14 2021	265.82037	1.03394	1.02911	1.03678	1.02447	
June 15 2021	265.89293	1.03422	1.02939	1.03706	1.02475	
June 16 2021	265.96550	1.03450	1.02967	1.03734	1.02503	
June 17 2021	266.03807	1.03478	1.02995	1.03763	1.02531	
June 18 2021	266.11063	1.03507	1.03023	1.03791	1.02559	
June 19 2021	266.18320	1.03535	1.03052	1.03819	1.02587	
June 20 2021	266.25577	1.03563	1.03080	1.03847	1.02615	
June 21 2021	266.32833	1.03591	1.03108	1.03876	1.02643	
June 22 2021	266.40090	1.03620	1.03136	1.03904	1.02671	
June 23 2021	266.47347	1.03648	1.03164	1.03932	1.02699	
June 24 2021	266.54603	1.03676	1.03192	1.03961	1.02727	
June 25 2021	266.61860	1.03704	1.03220	1.03989	1.02755	
June 26 2021	266.69117	1.03733	1.03248	1.04017	1.02783	
June 27 2021	266.76373	1.03761	1.03276	1.04046	1.02811	
June 28 2021	266.83630	1.03789	1.03304	1.04074	1.02839	
June 29 2021	266.90887	1.03817	1.03333	1.04102	1.02867	
June 30 2021	266.98143	1.03845	1.03361	1.04130	1.02895	
<b>CPI-U (NSA) for:</b>			<b>February 2021 263.014</b>	<b>March 2021 264.877</b>	<b>April 2021 267.054</b>	

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

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	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	
Maturity Date: Ref CPI on Dated Date:			January 15, 2031 260.31619	February 15, 2051 260.35150	April 15, 2026 262.25027	
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio		
June 1 2021	264.87700	1.01752	1.01738	1.01002		
June 2 2021	264.94957	1.01780	1.01766	1.01029		
June 3 2021	265.02213	1.01808	1.01794	1.01057		
June 4 2021	265.09470	1.01836	1.01822	1.01085		
June 5 2021	265.16727	1.01864	1.01850	1.01112		
June 6 2021	265.23983	1.01891	1.01878	1.01140		
June 7 2021	265.31240	1.01919	1.01905	1.01168		
June 8 2021	265.38497	1.01947	1.01933	1.01195		
June 9 2021	265.45753	1.01975	1.01961	1.01223		
June 10 2021	265.53010	1.02003	1.01989	1.01251		
June 11 2021	265.60267	1.02031	1.02017	1.01278		
June 12 2021	265.67523	1.02059	1.02045	1.01306		
June 13 2021	265.74780	1.02087	1.02073	1.01334		
June 14 2021	265.82037	1.02114	1.02101	1.01361		
June 15 2021	265.89293	1.02142	1.02128	1.01389		
June 16 2021	265.96550	1.02170	1.02156	1.01417		
June 17 2021	266.03807	1.02198	1.02184	1.01444		
June 18 2021	266.11063	1.02226	1.02212	1.01472		
June 19 2021	266.18320	1.02254	1.02240	1.01500		
June 20 2021	266.25577	1.02282	1.02268	1.01527		
June 21 2021	266.32833	1.02310	1.02296	1.01555		
June 22 2021	266.40090	1.02337	1.02324	1.01583		
June 23 2021	266.47347	1.02365	1.02351	1.01610		
June 24 2021	266.54603	1.02393	1.02379	1.01638		
June 25 2021	266.61860	1.02421	1.02407	1.01666		
June 26 2021	266.69117	1.02449	1.02435	1.01693		
June 27 2021	266.76373	1.02477	1.02463	1.01721		
June 28 2021	266.83630	1.02505	1.02491	1.01749		
June 29 2021	266.90887	1.02533	1.02519	1.01776		
June 30 2021	266.98143	1.02560	1.02547	1.01804		
<b>CPI-U (NSA) for:</b>	<b>February 2021</b>	<b>263.014</b>	<b>March 2021</b>	<b>264.877</b>	<b>April 2021</b>	<b>267.054</b>