

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.73827	1.71022	1.58393	1.49153	
April 2 2022	281.23360	1.73880	1.71074	1.58441	1.49198	
April 3 2022	281.31920	1.73933	1.71126	1.58490	1.49244	
April 4 2022	281.40480	1.73986	1.71178	1.58538	1.49289	
April 5 2022	281.49040	1.74039	1.71230	1.58586	1.49334	
April 6 2022	281.57600	1.74092	1.71282	1.58634	1.49380	
April 7 2022	281.66160	1.74145	1.71334	1.58683	1.49425	
April 8 2022	281.74720	1.74198	1.71386	1.58731	1.49471	
April 9 2022	281.83280	1.74251	1.71438	1.58779	1.49516	
April 10 2022	281.91840	1.74303	1.71490	1.58827	1.49561	
April 11 2022	282.00400	1.74356	1.71542	1.58875	1.49607	
April 12 2022	282.08960	1.74409	1.71594	1.58924	1.49652	
April 13 2022	282.17520	1.74462	1.71646	1.58972	1.49698	
April 14 2022	282.26080	1.74515	1.71698	1.59020	1.49743	
April 15 2022	282.34640	1.74568	1.71751	1.59068	1.49788	
April 16 2022	282.43200	1.74621	1.71803	1.59117	1.49834	
April 17 2022	282.51760	1.74674	1.71855	1.59165	1.49879	
April 18 2022	282.60320	1.74727	1.71907	1.59213	1.49925	
April 19 2022	282.68880	1.74780	1.71959	1.59261	1.49970	
April 20 2022	282.77440	1.74833	1.72011	1.59310	1.50016	
April 21 2022	282.86000	1.74886	1.72063	1.59358	1.50061	
April 22 2022	282.94560	1.74939	1.72115	1.59406	1.50106	
April 23 2022	283.03120	1.74991	1.72167	1.59454	1.50152	
April 24 2022	283.11680	1.75044	1.72219	1.59502	1.50197	
April 25 2022	283.20240	1.75097	1.72271	1.59551	1.50243	
April 26 2022	283.28800	1.75150	1.72323	1.59599	1.50288	
April 27 2022	283.37360	1.75203	1.72375	1.59647	1.50333	
April 28 2022	283.45920	1.75256	1.72427	1.59695	1.50379	
April 29 2022	283.54480	1.75309	1.72480	1.59744	1.50424	
April 30 2022	283.63040	1.75362	1.72532	1.59792	1.50470	
<b>CPI-U (NSA) for:</b>			<b>December 2021 278.802</b>	<b>January 2022 281.148</b>	<b>February 2022 283.716</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.41652	1.39414	1.34202	1.30949	
April 2 2022	281.23360	1.41696	1.39456	1.34243	1.30989	
April 3 2022	281.31920	1.41739	1.39499	1.34284	1.31029	
April 4 2022	281.40480	1.41782	1.39541	1.34324	1.31069	
April 5 2022	281.49040	1.41825	1.39584	1.34365	1.31109	
April 6 2022	281.57600	1.41868	1.39626	1.34406	1.31149	
April 7 2022	281.66160	1.41911	1.39668	1.34447	1.31189	
April 8 2022	281.74720	1.41954	1.39711	1.34488	1.31228	
April 9 2022	281.83280	1.41997	1.39753	1.34529	1.31268	
April 10 2022	281.91840	1.42041	1.39796	1.34570	1.31308	
April 11 2022	282.00400	1.42084	1.39838	1.34610	1.31348	
April 12 2022	282.08960	1.42127	1.39881	1.34651	1.31388	
April 13 2022	282.17520	1.42170	1.39923	1.34692	1.31428	
April 14 2022	282.26080	1.42213	1.39966	1.34733	1.31468	
April 15 2022	282.34640	1.42256	1.40008	1.34774	1.31508	
April 16 2022	282.43200	1.42299	1.40050	1.34815	1.31547	
April 17 2022	282.51760	1.42342	1.40093	1.34856	1.31587	
April 18 2022	282.60320	1.42386	1.40135	1.34896	1.31627	
April 19 2022	282.68880	1.42429	1.40178	1.34937	1.31667	
April 20 2022	282.77440	1.42472	1.40220	1.34978	1.31707	
April 21 2022	282.86000	1.42515	1.40263	1.35019	1.31747	
April 22 2022	282.94560	1.42558	1.40305	1.35060	1.31787	
April 23 2022	283.03120	1.42601	1.40348	1.35101	1.31827	
April 24 2022	283.11680	1.42644	1.40390	1.35142	1.31866	
April 25 2022	283.20240	1.42687	1.40432	1.35182	1.31906	
April 26 2022	283.28800	1.42731	1.40475	1.35223	1.31946	
April 27 2022	283.37360	1.42774	1.40517	1.35264	1.31986	
April 28 2022	283.45920	1.42817	1.40560	1.35305	1.32026	
April 29 2022	283.54480	1.42860	1.40602	1.35346	1.32066	
April 30 2022	283.63040	1.42903	1.40645	1.35387	1.32106	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.30077	1.28383	1.24423	1.22258	
April 2 2022	281.23360	1.30117	1.28422	1.24461	1.22295	
April 3 2022	281.31920	1.30156	1.28462	1.24499	1.22332	
April 4 2022	281.40480	1.30196	1.28501	1.24537	1.22370	
April 5 2022	281.49040	1.30236	1.28540	1.24575	1.22407	
April 6 2022	281.57600	1.30275	1.28579	1.24613	1.22444	
April 7 2022	281.66160	1.30315	1.28618	1.24651	1.22481	
April 8 2022	281.74720	1.30354	1.28657	1.24689	1.22518	
April 9 2022	281.83280	1.30394	1.28696	1.24727	1.22556	
April 10 2022	281.91840	1.30434	1.28735	1.24764	1.22593	
April 11 2022	282.00400	1.30473	1.28774	1.24802	1.22630	
April 12 2022	282.08960	1.30513	1.28813	1.24840	1.22667	
April 13 2022	282.17520	1.30552	1.28852	1.24878	1.22705	
April 14 2022	282.26080	1.30592	1.28892	1.24916	1.22742	
April 15 2022	282.34640	1.30632	1.28931	1.24954	1.22779	
April 16 2022	282.43200	1.30671	1.28970	1.24992	1.22816	
April 17 2022	282.51760	1.30711	1.29009	1.25030	1.22853	
April 18 2022	282.60320	1.30750	1.29048	1.25067	1.22891	
April 19 2022	282.68880	1.30790	1.29087	1.25105	1.22928	
April 20 2022	282.77440	1.30830	1.29126	1.25143	1.22965	
April 21 2022	282.86000	1.30869	1.29165	1.25181	1.23002	
April 22 2022	282.94560	1.30909	1.29204	1.25219	1.23040	
April 23 2022	283.03120	1.30948	1.29243	1.25257	1.23077	
April 24 2022	283.11680	1.30988	1.29282	1.25295	1.23114	
April 25 2022	283.20240	1.31028	1.29321	1.25333	1.23151	
April 26 2022	283.28800	1.31067	1.29361	1.25371	1.23188	
April 27 2022	283.37360	1.31107	1.29400	1.25408	1.23226	
April 28 2022	283.45920	1.31146	1.29439	1.25446	1.23263	
April 29 2022	283.54480	1.31186	1.29478	1.25484	1.23300	
April 30 2022	283.63040	1.31226	1.29517	1.25522	1.23337	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.21803	1.22286	1.20811	1.20493	
April 2 2022	281.23360	1.21840	1.22323	1.20847	1.20530	
April 3 2022	281.31920	1.21877	1.22360	1.20884	1.20567	
April 4 2022	281.40480	1.21914	1.22397	1.20921	1.20603	
April 5 2022	281.49040	1.21951	1.22435	1.20958	1.20640	
April 6 2022	281.57600	1.21988	1.22472	1.20995	1.20677	
April 7 2022	281.66160	1.22025	1.22509	1.21031	1.20714	
April 8 2022	281.74720	1.22063	1.22546	1.21068	1.20750	
April 9 2022	281.83280	1.22100	1.22583	1.21105	1.20787	
April 10 2022	281.91840	1.22137	1.22621	1.21142	1.20824	
April 11 2022	282.00400	1.22174	1.22658	1.21178	1.20860	
April 12 2022	282.08960	1.22211	1.22695	1.21215	1.20897	
April 13 2022	282.17520	1.22248	1.22732	1.21252	1.20934	
April 14 2022	282.26080	1.22285	1.22770	1.21289	1.20970	
April 15 2022	282.34640	1.22322	1.22807	1.21326	1.21007	
April 16 2022	282.43200	1.22359	1.22844	1.21362	1.21044	
April 17 2022	282.51760	1.22396	1.22881	1.21399	1.21080	
April 18 2022	282.60320	1.22433	1.22919	1.21436	1.21117	
April 19 2022	282.68880	1.22470	1.22956	1.21473	1.21154	
April 20 2022	282.77440	1.22508	1.22993	1.21509	1.21190	
April 21 2022	282.86000	1.22545	1.23030	1.21546	1.21227	
April 22 2022	282.94560	1.22582	1.23067	1.21583	1.21264	
April 23 2022	283.03120	1.22619	1.23105	1.21620	1.21301	
April 24 2022	283.11680	1.22656	1.23142	1.21657	1.21337	
April 25 2022	283.20240	1.22693	1.23179	1.21693	1.21374	
April 26 2022	283.28800	1.22730	1.23216	1.21730	1.21411	
April 27 2022	283.37360	1.22767	1.23254	1.21767	1.21447	
April 28 2022	283.45920	1.22804	1.23291	1.21804	1.21484	
April 29 2022	283.54480	1.22841	1.23328	1.21841	1.21521	
April 30 2022	283.63040	1.22878	1.23365	1.21877	1.21557	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.20634	1.18405	1.18701	1.19393	
April 2 2022	281.23360	1.20671	1.18441	1.18737	1.19429	
April 3 2022	281.31920	1.20707	1.18477	1.18773	1.19466	
April 4 2022	281.40480	1.20744	1.18513	1.18809	1.19502	
April 5 2022	281.49040	1.20781	1.18549	1.18846	1.19538	
April 6 2022	281.57600	1.20817	1.18585	1.18882	1.19575	
April 7 2022	281.66160	1.20854	1.18621	1.18918	1.19611	
April 8 2022	281.74720	1.20891	1.18657	1.18954	1.19647	
April 9 2022	281.83280	1.20928	1.18693	1.18990	1.19684	
April 10 2022	281.91840	1.20964	1.18730	1.19026	1.19720	
April 11 2022	282.00400	1.21001	1.18766	1.19062	1.19756	
April 12 2022	282.08960	1.21038	1.18802	1.19099	1.19793	
April 13 2022	282.17520	1.21075	1.18838	1.19135	1.19829	
April 14 2022	282.26080	1.21111	1.18874	1.19171	1.19865	
April 15 2022	282.34640	1.21148	1.18910	1.19207	1.19902	
April 16 2022	282.43200	1.21185	1.18946	1.19243	1.19938	
April 17 2022	282.51760	1.21221	1.18982	1.19279	1.19974	
April 18 2022	282.60320	1.21258	1.19018	1.19315	1.20011	
April 19 2022	282.68880	1.21295	1.19054	1.19351	1.20047	
April 20 2022	282.77440	1.21332	1.19090	1.19388	1.20083	
April 21 2022	282.86000	1.21368	1.19126	1.19424	1.20120	
April 22 2022	282.94560	1.21405	1.19162	1.19460	1.20156	
April 23 2022	283.03120	1.21442	1.19198	1.19496	1.20193	
April 24 2022	283.11680	1.21479	1.19234	1.19532	1.20229	
April 25 2022	283.20240	1.21515	1.19270	1.19568	1.20265	
April 26 2022	283.28800	1.21552	1.19306	1.19604	1.20302	
April 27 2022	283.37360	1.21589	1.19342	1.19641	1.20338	
April 28 2022	283.45920	1.21626	1.19378	1.19677	1.20374	
April 29 2022	283.54480	1.21662	1.19414	1.19713	1.20411	
April 30 2022	283.63040	1.21699	1.19451	1.19749	1.20447	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.18556	1.18323	1.18656	1.17291	
April 2 2022	281.23360	1.18592	1.18359	1.18692	1.17327	
April 3 2022	281.31920	1.18628	1.18395	1.18728	1.17362	
April 4 2022	281.40480	1.18664	1.18431	1.18764	1.17398	
April 5 2022	281.49040	1.18700	1.18467	1.18800	1.17434	
April 6 2022	281.57600	1.18736	1.18503	1.18836	1.17470	
April 7 2022	281.66160	1.18773	1.18539	1.18872	1.17505	
April 8 2022	281.74720	1.18809	1.18575	1.18909	1.17541	
April 9 2022	281.83280	1.18845	1.18611	1.18945	1.17577	
April 10 2022	281.91840	1.18881	1.18647	1.18981	1.17612	
April 11 2022	282.00400	1.18917	1.18683	1.19017	1.17648	
April 12 2022	282.08960	1.18953	1.18719	1.19053	1.17684	
April 13 2022	282.17520	1.18989	1.18755	1.19089	1.17720	
April 14 2022	282.26080	1.19025	1.18791	1.19125	1.17755	
April 15 2022	282.34640	1.19061	1.18827	1.19161	1.17791	
April 16 2022	282.43200	1.19097	1.18863	1.19198	1.17827	
April 17 2022	282.51760	1.19134	1.18899	1.19234	1.17862	
April 18 2022	282.60320	1.19170	1.18935	1.19270	1.17898	
April 19 2022	282.68880	1.19206	1.18971	1.19306	1.17934	
April 20 2022	282.77440	1.19242	1.19007	1.19342	1.17969	
April 21 2022	282.86000	1.19278	1.19043	1.19378	1.18005	
April 22 2022	282.94560	1.19314	1.19079	1.19414	1.18041	
April 23 2022	283.03120	1.19350	1.19115	1.19450	1.18077	
April 24 2022	283.11680	1.19386	1.19151	1.19487	1.18112	
April 25 2022	283.20240	1.19422	1.19187	1.19523	1.18148	
April 26 2022	283.28800	1.19458	1.19223	1.19559	1.18184	
April 27 2022	283.37360	1.19494	1.19259	1.19595	1.18219	
April 28 2022	283.45920	1.19531	1.19295	1.19631	1.18255	
April 29 2022	283.54480	1.19567	1.19331	1.19667	1.18291	
April 30 2022	283.63040	1.19603	1.19367	1.19703	1.18327	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.16389	1.16469	1.15606	1.14933	
April 2 2022	281.23360	1.16424	1.16505	1.15641	1.14968	
April 3 2022	281.31920	1.16460	1.16540	1.15676	1.15003	
April 4 2022	281.40480	1.16495	1.16576	1.15711	1.15038	
April 5 2022	281.49040	1.16531	1.16611	1.15747	1.15073	
April 6 2022	281.57600	1.16566	1.16647	1.15782	1.15108	
April 7 2022	281.66160	1.16601	1.16682	1.15817	1.15143	
April 8 2022	281.74720	1.16637	1.16717	1.15852	1.15178	
April 9 2022	281.83280	1.16672	1.16753	1.15887	1.15213	
April 10 2022	281.91840	1.16708	1.16788	1.15923	1.15248	
April 11 2022	282.00400	1.16743	1.16824	1.15958	1.15283	
April 12 2022	282.08960	1.16779	1.16859	1.15993	1.15318	
April 13 2022	282.17520	1.16814	1.16895	1.16028	1.15353	
April 14 2022	282.26080	1.16850	1.16930	1.16063	1.15388	
April 15 2022	282.34640	1.16885	1.16966	1.16099	1.15423	
April 16 2022	282.43200	1.16920	1.17001		1.15458	
April 17 2022	282.51760	1.16956	1.17037		1.15493	
April 18 2022	282.60320	1.16991	1.17072		1.15528	
April 19 2022	282.68880	1.17027	1.17108		1.15563	
April 20 2022	282.77440	1.17062	1.17143		1.15598	
April 21 2022	282.86000	1.17098	1.17178		1.15633	
April 22 2022	282.94560	1.17133	1.17214		1.15668	
April 23 2022	283.03120	1.17168	1.17249		1.15703	
April 24 2022	283.11680	1.17204	1.17285		1.15738	
April 25 2022	283.20240	1.17239	1.17320		1.15773	
April 26 2022	283.28800	1.17275	1.17356		1.15808	
April 27 2022	283.37360	1.17310	1.17391		1.15843	
April 28 2022	283.45920	1.17346	1.17427		1.15878	
April 29 2022	283.54480	1.17381	1.17462		1.15913	
April 30 2022	283.63040	1.17417	1.17498		1.15948	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.13979	1.14011	1.13187	1.12004	
April 2 2022	281.23360	1.14014	1.14046	1.13222	1.12038	
April 3 2022	281.31920	1.14049	1.14081	1.13256	1.12072	
April 4 2022	281.40480	1.14083	1.14115	1.13291	1.12106	
April 5 2022	281.49040	1.14118	1.14150	1.13325	1.12140	
April 6 2022	281.57600	1.14153	1.14185	1.13360	1.12174	
April 7 2022	281.66160	1.14188	1.14220	1.13394	1.12208	
April 8 2022	281.74720	1.14222	1.14254	1.13429	1.12242	
April 9 2022	281.83280	1.14257	1.14289	1.13463	1.12277	
April 10 2022	281.91840	1.14292	1.14324	1.13498	1.12311	
April 11 2022	282.00400	1.14326	1.14358	1.13532	1.12345	
April 12 2022	282.08960	1.14361	1.14393	1.13567	1.12379	
April 13 2022	282.17520	1.14396	1.14428	1.13601	1.12413	
April 14 2022	282.26080	1.14430	1.14463	1.13635	1.12447	
April 15 2022	282.34640	1.14465	1.14497	1.13670	1.12481	
April 16 2022	282.43200	1.14500	1.14532	1.13704	1.12515	
April 17 2022	282.51760	1.14535	1.14567	1.13739	1.12549	
April 18 2022	282.60320	1.14569	1.14601	1.13773	1.12583	
April 19 2022	282.68880	1.14604	1.14636	1.13808	1.12618	
April 20 2022	282.77440	1.14639	1.14671	1.13842	1.12652	
April 21 2022	282.86000	1.14673	1.14706	1.13877	1.12686	
April 22 2022	282.94560	1.14708	1.14740	1.13911	1.12720	
April 23 2022	283.03120	1.14743	1.14775	1.13946	1.12754	
April 24 2022	283.11680	1.14778	1.14810	1.13980	1.12788	
April 25 2022	283.20240	1.14812	1.14844	1.14015	1.12822	
April 26 2022	283.28800	1.14847	1.14879	1.14049	1.12856	
April 27 2022	283.37360	1.14882	1.14914	1.14083	1.12890	
April 28 2022	283.45920	1.14916	1.14949	1.14118	1.12924	
April 29 2022	283.54480	1.14951	1.14983	1.14152	1.12959	
April 30 2022	283.63040	1.14986	1.15018	1.14187	1.12993	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>



**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.11345	1.11728	1.11474	1.09912	
April 2 2022	281.23360	1.11379	1.11762	1.11508	1.09945	
April 3 2022	281.31920	1.11412	1.11796	1.11542	1.09979	
April 4 2022	281.40480	1.11446	1.11830	1.11576	1.10012	
April 5 2022	281.49040	1.11480	1.11864	1.11610	1.10046	
April 6 2022	281.57600	1.11514	1.11898	1.11644	1.10079	
April 7 2022	281.66160	1.11548	1.11932	1.11678	1.10113	
April 8 2022	281.74720	1.11582	1.11966	1.11712	1.10146	
April 9 2022	281.83280	1.11616	1.12000	1.11746	1.10180	
April 10 2022	281.91840	1.11650	1.12034	1.11780	1.10213	
April 11 2022	282.00400	1.11684	1.12068	1.11814	1.10247	
April 12 2022	282.08960	1.11718	1.12102	1.11848	1.10280	
April 13 2022	282.17520	1.11751	1.12136	1.11882	1.10314	
April 14 2022	282.26080	1.11785	1.12171	1.11916	1.10347	
April 15 2022	282.34640	1.11819	1.12205	1.11950	1.10381	
April 16 2022	282.43200	1.11853	1.12239	1.11984	1.10414	
April 17 2022	282.51760	1.11887	1.12273	1.12017	1.10447	
April 18 2022	282.60320	1.11921	1.12307	1.12051	1.10481	
April 19 2022	282.68880	1.11955	1.12341	1.12085	1.10514	
April 20 2022	282.77440	1.11989	1.12375	1.12119	1.10548	
April 21 2022	282.86000	1.12023	1.12409	1.12153	1.10581	
April 22 2022	282.94560	1.12057	1.12443	1.12187	1.10615	
April 23 2022	283.03120	1.12090	1.12477	1.12221	1.10648	
April 24 2022	283.11680	1.12124	1.12511	1.12255	1.10682	
April 25 2022	283.20240	1.12158	1.12545	1.12289	1.10715	
April 26 2022	283.28800	1.12192	1.12579	1.12323	1.10749	
April 27 2022	283.37360	1.12226	1.12613	1.12357	1.10782	
April 28 2022	283.45920	1.12260	1.12647	1.12391	1.10816	
April 29 2022	283.54480	1.12294	1.12681	1.12425	1.10849	
April 30 2022	283.63040	1.12328	1.12715	1.12459	1.10882	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.09582	1.09275	1.09356	1.08845	
April 2 2022	281.23360	1.09615	1.09309	1.09389	1.08878	
April 3 2022	281.31920	1.09648	1.09342	1.09422	1.08911	
April 4 2022	281.40480	1.09682	1.09375	1.09456	1.08945	
April 5 2022	281.49040	1.09715	1.09409	1.09489	1.08978	
April 6 2022	281.57600	1.09748	1.09442	1.09522	1.09011	
April 7 2022	281.66160	1.09782	1.09475	1.09555	1.09044	
April 8 2022	281.74720	1.09815	1.09508	1.09589	1.09077	
April 9 2022	281.83280	1.09848	1.09542	1.09622	1.09110	
April 10 2022	281.91840	1.09882	1.09575	1.09655	1.09143	
April 11 2022	282.00400	1.09915	1.09608	1.09689	1.09177	
April 12 2022	282.08960	1.09949	1.09641	1.09722	1.09210	
April 13 2022	282.17520	1.09982	1.09675	1.09755	1.09243	
April 14 2022	282.26080	1.10015	1.09708	1.09789	1.09276	
April 15 2022	282.34640	1.10049	1.09741	1.09822	1.09309	
April 16 2022	282.43200	1.10082	1.09775	1.09855	1.09342	
April 17 2022	282.51760	1.10115	1.09808	1.09888	1.09375	
April 18 2022	282.60320	1.10149	1.09841	1.09922	1.09409	
April 19 2022	282.68880	1.10182	1.09874	1.09955	1.09442	
April 20 2022	282.77440	1.10215	1.09908	1.09988	1.09475	
April 21 2022	282.86000	1.10249	1.09941	1.10022	1.09508	
April 22 2022	282.94560	1.10282	1.09974	1.10055	1.09541	
April 23 2022	283.03120	1.10316	1.10007	1.10088	1.09574	
April 24 2022	283.11680	1.10349	1.10041	1.10121	1.09607	
April 25 2022	283.20240	1.10382	1.10074	1.10155	1.09640	
April 26 2022	283.28800	1.10416	1.10107	1.10188	1.09674	
April 27 2022	283.37360	1.10449	1.10141	1.10221	1.09707	
April 28 2022	283.45920	1.10482	1.10174	1.10255	1.09740	
April 29 2022	283.54480	1.10516	1.10207	1.10288	1.09773	
April 30 2022	283.63040	1.10549	1.10240	1.10321	1.09806	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.09656	1.08355	1.08003	1.07988	
April 2 2022	281.23360	1.09689	1.08388	1.08035	1.08021	
April 3 2022	281.31920	1.09723	1.08421	1.08068	1.08054	
April 4 2022	281.40480	1.09756	1.08454	1.08101	1.08086	
April 5 2022	281.49040	1.09789	1.08487	1.08134	1.08119	
April 6 2022	281.57600	1.09823	1.08520	1.08167	1.08152	
April 7 2022	281.66160	1.09856	1.08553	1.08200	1.08185	
April 8 2022	281.74720	1.09890	1.08586	1.08233	1.08218	
April 9 2022	281.83280	1.09923	1.08619	1.08266	1.08251	
April 10 2022	281.91840	1.09956	1.08652	1.08298	1.08284	
April 11 2022	282.00400	1.09990	1.08685	1.08331	1.08317	
April 12 2022	282.08960	1.10023	1.08718	1.08364	1.08350	
April 13 2022	282.17520	1.10056	1.08751	1.08397	1.08382	
April 14 2022	282.26080	1.10090	1.08784	1.08430	1.08415	
April 15 2022	282.34640	1.10123	1.08817	1.08463	1.08448	
April 16 2022	282.43200	1.10157	1.08850	1.08496	1.08481	
April 17 2022	282.51760	1.10190	1.08883	1.08529	1.08514	
April 18 2022	282.60320	1.10223	1.08916	1.08562	1.08547	
April 19 2022	282.68880	1.10257	1.08949	1.08594	1.08580	
April 20 2022	282.77440	1.10290	1.08982	1.08627	1.08613	
April 21 2022	282.86000	1.10324	1.09015	1.08660	1.08645	
April 22 2022	282.94560	1.10357	1.09048	1.08693	1.08678	
April 23 2022	283.03120	1.10390	1.09081	1.08726	1.08711	
April 24 2022	283.11680	1.10424	1.09114	1.08759	1.08744	
April 25 2022	283.20240	1.10457	1.09147	1.08792	1.08777	
April 26 2022	283.28800	1.10491	1.09179	1.08825	1.08810	
April 27 2022	283.37360	1.10524	1.09212	1.08857	1.08843	
April 28 2022	283.45920	1.10557	1.09245	1.08890	1.08876	
April 29 2022	283.54480	1.10591	1.09278	1.08923	1.08908	
April 30 2022	283.63040	1.10624	1.09311	1.08956	1.08941	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**April 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	
April 1 2022	281.14800	1.07206	1.04898	1.02887	1.01423	
April 2 2022	281.23360	1.07239	1.04930	1.02919	1.01454	
April 3 2022	281.31920	1.07271	1.04962	1.02950	1.01485	
April 4 2022	281.40480	1.07304	1.04994	1.02981	1.01516	
April 5 2022	281.49040	1.07337	1.05026	1.03013	1.01547	
April 6 2022	281.57600	1.07369	1.05057	1.03044	1.01578	
April 7 2022	281.66160	1.07402	1.05089	1.03075	1.01609	
April 8 2022	281.74720	1.07434	1.05121	1.03107	1.01639	
April 9 2022	281.83280	1.07467	1.05153	1.03138	1.01670	
April 10 2022	281.91840	1.07500	1.05185	1.03169	1.01701	
April 11 2022	282.00400	1.07532	1.05217	1.03201	1.01732	
April 12 2022	282.08960	1.07565	1.05249	1.03232	1.01763	
April 13 2022	282.17520	1.07598	1.05281	1.03263	1.01794	
April 14 2022	282.26080	1.07630	1.05313	1.03295	1.01825	
April 15 2022	282.34640	1.07663	1.05345	1.03326	1.01856	
April 16 2022	282.43200	1.07696	1.05377	1.03357	1.01886	
April 17 2022	282.51760	1.07728	1.05409	1.03389	1.01917	
April 18 2022	282.60320	1.07761	1.05441	1.03420	1.01948	
April 19 2022	282.68880	1.07794	1.05473	1.03451	1.01979	
April 20 2022	282.77440	1.07826	1.05505	1.03483	1.02010	
April 21 2022	282.86000	1.07859	1.05537	1.03514	1.02041	
April 22 2022	282.94560	1.07891	1.05568	1.03545	1.02072	
April 23 2022	283.03120	1.07924	1.05600	1.03577	1.02103	
April 24 2022	283.11680	1.07957	1.05632	1.03608	1.02133	
April 25 2022	283.20240	1.07989	1.05664	1.03639	1.02164	
April 26 2022	283.28800	1.08022	1.05696	1.03671	1.02195	
April 27 2022	283.37360	1.08055	1.05728	1.03702	1.02226	
April 28 2022	283.45920	1.08087	1.05760	1.03733	1.02257	
April 29 2022	283.54480	1.08120	1.05792	1.03765	1.02288	
April 30 2022	283.63040	1.08153	1.05824	1.03796	1.02319	
<b>CPI-U (NSA) for:</b>	<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>

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

<b>Security:</b> <b>Description:</b> <b>CUSIP Number:</b> <b>Dated Date:</b> <b>Original Issue Date:</b> <b>Additional Issue Date(s):</b>  <b>Maturity Date:</b> <b>Ref CPI on Dated Date:</b>			<b>0-1/8% 30-Year TIPS</b> <b>TIPS of February 2052</b> <b>912810TE8</b> <b>February 15, 2022</b> <b>February 28, 2022</b>  <b>February 15, 2052</b> <b>278.37500</b>					
Date			Ref CPI	Index Ratio				
April	1	2022	281.14800	1.00996				
April	2	2022	281.23360	1.01027				
April	3	2022	281.31920	1.01058				
April	4	2022	281.40480	1.01088				
April	5	2022	281.49040	1.01119				
April	6	2022	281.57600	1.01150				
April	7	2022	281.66160	1.01181				
April	8	2022	281.74720	1.01211				
April	9	2022	281.83280	1.01242				
April	10	2022	281.91840	1.01273				
April	11	2022	282.00400	1.01304				
April	12	2022	282.08960	1.01334				
April	13	2022	282.17520	1.01365				
April	14	2022	282.26080	1.01396				
April	15	2022	282.34640	1.01427				
April	16	2022	282.43200	1.01457				
April	17	2022	282.51760	1.01488				
April	18	2022	282.60320	1.01519				
April	19	2022	282.68880	1.01550				
April	20	2022	282.77440	1.01580				
April	21	2022	282.86000	1.01611				
April	22	2022	282.94560	1.01642				
April	23	2022	283.03120	1.01673				
April	24	2022	283.11680	1.01703				
April	25	2022	283.20240	1.01734				
April	26	2022	283.28800	1.01765				
April	27	2022	283.37360	1.01796				
April	28	2022	283.45920	1.01826				
April	29	2022	283.54480	1.01857				
April	30	2022	283.63040	1.01888				
<b>CPI-U (NSA) for:</b>			<b>December 2021</b>	<b>278.802</b>	<b>January 2022</b>	<b>281.148</b>	<b>February 2022</b>	<b>283.716</b>