

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

Security:			3-5/8% 30-Year TIPS	3-7/8% 30-Year TIPS	3-3/8% 30-1/2-Year TIPS	2-3/8% 20-1/2-Year TIPS
Description:			TIPS of April 2028	TIPS of April 2029	TIPS of April 2032	TIPS of January 2025
CUSIP Number:			912810FD5	912810FH6	912810FQ6	912810FR4
Dated Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 15, 2004
Original Issue Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 30, 2004
Additional Issue Date(s):			July 15, 1998	October 15, 1999 October 16, 2000		January 31, 2005 July 29, 2005
Maturity Date:			April 15, 2028	April 15, 2029	April 15, 2032	January 15, 2025
Ref CPI on Dated Date:			161.74000	164.39333	177.50000	188.49677
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.90687	1.87609	1.73756	1.63619	
April 2 2024	308.48063	1.90726	1.87648	1.73792	1.63653	
April 3 2024	308.54427	1.90766	1.87687	1.73828	1.63687	
April 4 2024	308.60790	1.90805	1.87725	1.73864	1.63721	
April 5 2024	308.67153	1.90844	1.87764	1.73899	1.63754	
April 6 2024	308.73517	1.90884	1.87803	1.73935	1.63788	
April 7 2024	308.79880	1.90923	1.87841	1.73971	1.63822	
April 8 2024	308.86243	1.90962	1.87880	1.74007	1.63856	
April 9 2024	308.92607	1.91002	1.87919	1.74043	1.63889	
April 10 2024	308.98970	1.91041	1.87958	1.74079	1.63923	
April 11 2024	309.05333	1.91080	1.87996	1.74115	1.63957	
April 12 2024	309.11697	1.91120	1.88035	1.74150	1.63991	
April 13 2024	309.18060	1.91159	1.88074	1.74186	1.64024	
April 14 2024	309.24423	1.91198	1.88112	1.74222	1.64058	
April 15 2024	309.30787	1.91238	1.88151	1.74258	1.64092	
April 16 2024	309.37150	1.91277	1.88190	1.74294	1.64126	
April 17 2024	309.43513	1.91316	1.88229	1.74330	1.64159	
April 18 2024	309.49877	1.91356	1.88267	1.74366	1.64193	
April 19 2024	309.56240	1.91395	1.88306	1.74401	1.64227	
April 20 2024	309.62603	1.91434	1.88345	1.74437	1.64261	
April 21 2024	309.68967	1.91474	1.88383	1.74473	1.64294	
April 22 2024	309.75330	1.91513	1.88422	1.74509	1.64328	
April 23 2024	309.81693	1.91552	1.88461	1.74545	1.64362	
April 24 2024	309.88057	1.91592	1.88499	1.74581	1.64396	
April 25 2024	309.94420	1.91631	1.88538	1.74616	1.64429	
April 26 2024	310.00783	1.91670	1.88577	1.74652	1.64463	
April 27 2024	310.07147	1.91710	1.88616	1.74688	1.64497	
April 28 2024	310.13510	1.91749	1.88654	1.74724	1.64531	
April 29 2024	310.19873	1.91789	1.88693	1.74760	1.64564	
April 30 2024	310.26237	1.91828	1.88732	1.74796	1.64598	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

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 2024	308.41700	1.55391	1.52936	1.47218	1.43650	
April 2 2024	308.48063	1.55424	1.52967	1.47249	1.43680	
April 3 2024	308.54427	1.55456	1.52999	1.47279	1.43710	
April 4 2024	308.60790	1.55488	1.53030	1.47309	1.43739	
April 5 2024	308.67153	1.55520	1.53062	1.47340	1.43769	
April 6 2024	308.73517	1.55552	1.53093	1.47370	1.43799	
April 7 2024	308.79880	1.55584	1.53125	1.47400	1.43828	
April 8 2024	308.86243	1.55616	1.53157	1.47431	1.43858	
April 9 2024	308.92607	1.55648	1.53188	1.47461	1.43888	
April 10 2024	308.98970	1.55680	1.53220	1.47492	1.43917	
April 11 2024	309.05333	1.55712	1.53251	1.47522	1.43947	
April 12 2024	309.11697	1.55744	1.53283	1.47552	1.43976	
April 13 2024	309.18060	1.55776	1.53314	1.47583	1.44006	
April 14 2024	309.24423	1.55808	1.53346	1.47613	1.44036	
April 15 2024	309.30787	1.55840	1.53377	1.47643	1.44065	
April 16 2024	309.37150	1.55872	1.53409	1.47674	1.44095	
April 17 2024	309.43513	1.55904	1.53441	1.47704	1.44125	
April 18 2024	309.49877	1.55937	1.53472	1.47735	1.44154	
April 19 2024	309.56240	1.55969	1.53504	1.47765	1.44184	
April 20 2024	309.62603	1.56001	1.53535	1.47795	1.44214	
April 21 2024	309.68967	1.56033	1.53567	1.47826	1.44243	
April 22 2024	309.75330	1.56065	1.53598	1.47856	1.44273	
April 23 2024	309.81693	1.56097	1.53630	1.47886	1.44302	
April 24 2024	309.88057	1.56129	1.53661	1.47917	1.44332	
April 25 2024	309.94420	1.56161	1.53693	1.47947	1.44362	
April 26 2024	310.00783	1.56193	1.53725	1.47978	1.44391	
April 27 2024	310.07147	1.56225	1.53756	1.48008	1.44421	
April 28 2024	310.13510	1.56257	1.53788	1.48038	1.44451	
April 29 2024	310.19873	1.56289	1.53819	1.48069	1.44480	
April 30 2024	310.26237	1.56321	1.53851	1.48099	1.44510	
<b>CPI-U (NSA) for:</b>	<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2-1/8% 30-Year TIPS TIPS of February 2040 912810QF8 February 15, 2010 February 26, 2010 August 31, 2010	2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 2011	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013		
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	February 15, 2042 225.96062	February 15, 2043 229.91100		
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio			
April 1 2024	308.41700	1.42693	1.40835	1.36491	1.34146			
April 2 2024	308.48063	1.42723	1.40865	1.36520	1.34174			
April 3 2024	308.54427	1.42752	1.40894	1.36548	1.34202			
April 4 2024	308.60790	1.42782	1.40923	1.36576	1.34229			
April 5 2024	308.67153	1.42811	1.40952	1.36604	1.34257			
April 6 2024	308.73517	1.42841	1.40981	1.36632	1.34285			
April 7 2024	308.79880	1.42870	1.41010	1.36660	1.34312			
April 8 2024	308.86243	1.42900	1.41039	1.36689	1.34340			
April 9 2024	308.92607	1.42929	1.41068	1.36717	1.34368			
April 10 2024	308.98970	1.42958	1.41097	1.36745	1.34395			
April 11 2024	309.05333	1.42988	1.41126	1.36773	1.34423			
April 12 2024	309.11697	1.43017	1.41155	1.36801	1.34451			
April 13 2024	309.18060	1.43047	1.41184	1.36829	1.34478			
April 14 2024	309.24423	1.43076	1.41213	1.36858	1.34506			
April 15 2024	309.30787	1.43106	1.41242	1.36886	1.34534			
April 16 2024	309.37150	1.43135	1.41271	1.36914	1.34561			
April 17 2024	309.43513	1.43165	1.41300	1.36942	1.34589			
April 18 2024	309.49877	1.43194	1.41329	1.36970	1.34617			
April 19 2024	309.56240	1.43223	1.41359	1.36998	1.34644			
April 20 2024	309.62603	1.43253	1.41388	1.37027	1.34672			
April 21 2024	309.68967	1.43282	1.41417	1.37055	1.34700			
April 22 2024	309.75330	1.43312	1.41446	1.37083	1.34727			
April 23 2024	309.81693	1.43341	1.41475	1.37111	1.34755			
April 24 2024	309.88057	1.43371	1.41504	1.37139	1.34783			
April 25 2024	309.94420	1.43400	1.41533	1.37167	1.34811			
April 26 2024	310.00783	1.43430	1.41562	1.37196	1.34838			
April 27 2024	310.07147	1.43459	1.41591	1.37224	1.34866			
April 28 2024	310.13510	1.43488	1.41620	1.37252	1.34894			
April 29 2024	310.19873	1.43518	1.41649	1.37280	1.34921			
April 30 2024	310.26237	1.43547	1.41678	1.37308	1.34949			
<b>CPI-U (NSA) for:</b>			<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

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 2024	308.41700	1.32334	1.29889	1.30214	1.30973	
April 2 2024	308.48063	1.32362	1.29916	1.30241	1.31000	
April 3 2024	308.54427	1.32389	1.29943	1.30268	1.31027	
April 4 2024	308.60790	1.32416	1.29970	1.30295	1.31054	
April 5 2024	308.67153	1.32444	1.29997	1.30321	1.31081	
April 6 2024	308.73517	1.32471	1.30023	1.30348	1.31108	
April 7 2024	308.79880	1.32498	1.30050	1.30375	1.31135	
April 8 2024	308.86243	1.32525	1.30077	1.30402	1.31162	
April 9 2024	308.92607	1.32553	1.30104	1.30429	1.31189	
April 10 2024	308.98970	1.32580	1.30131	1.30456	1.31216	
April 11 2024	309.05333	1.32607	1.30157	1.30483	1.31243	
April 12 2024	309.11697	1.32635	1.30184	1.30509	1.31270	
April 13 2024	309.18060	1.32662	1.30211	1.30536	1.31297	
April 14 2024	309.24423	1.32689	1.30238	1.30563	1.31324	
April 15 2024	309.30787	1.32717	1.30265	1.30590	1.31351	
April 16 2024	309.37150	1.32744	1.30291	1.30617	1.31378	
April 17 2024	309.43513	1.32771	1.30318	1.30644	1.31405	
April 18 2024	309.49877	1.32798	1.30345	1.30671	1.31432	
April 19 2024	309.56240	1.32826	1.30372	1.30698	1.31459	
April 20 2024	309.62603	1.32853	1.30399	1.30724	1.31486	
April 21 2024	309.68967	1.32880	1.30425	1.30751	1.31513	
April 22 2024	309.75330	1.32908	1.30452	1.30778	1.31540	
April 23 2024	309.81693	1.32935	1.30479	1.30805	1.31567	
April 24 2024	309.88057	1.32962	1.30506	1.30832	1.31594	
April 25 2024	309.94420	1.32990	1.30533	1.30859	1.31621	
April 26 2024	310.00783	1.33017	1.30559	1.30886	1.31648	
April 27 2024	310.07147	1.33044	1.30586	1.30912	1.31676	
April 28 2024	310.13510	1.33071	1.30613	1.30939	1.31703	
April 29 2024	310.19873	1.33099	1.30640	1.30966	1.31730	
April 30 2024	310.26237	1.33126	1.30667	1.30993	1.31757	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

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 2024	308.41700	1.30055	1.29799	1.30164	1.28667	
April 2 2024	308.48063	1.30082	1.29826	1.30191	1.28694	
April 3 2024	308.54427	1.30109	1.29853	1.30218	1.28720	
April 4 2024	308.60790	1.30135	1.29879	1.30245	1.28747	
April 5 2024	308.67153	1.30162	1.29906	1.30272	1.28773	
April 6 2024	308.73517	1.30189	1.29933	1.30299	1.28800	
April 7 2024	308.79880	1.30216	1.29960	1.30325	1.28826	
April 8 2024	308.86243	1.30243	1.29986	1.30352	1.28853	
April 9 2024	308.92607	1.30270	1.30013	1.30379	1.28880	
April 10 2024	308.98970	1.30296	1.30040	1.30406	1.28906	
April 11 2024	309.05333	1.30323	1.30067	1.30433	1.28933	
April 12 2024	309.11697	1.30350	1.30094	1.30460	1.28959	
April 13 2024	309.18060	1.30377	1.30120	1.30487	1.28986	
April 14 2024	309.24423	1.30404	1.30147	1.30513	1.29012	
April 15 2024	309.30787	1.30431	1.30174	1.30540	1.29039	
April 16 2024	309.37150	1.30457	1.30201	1.30567	1.29065	
April 17 2024	309.43513	1.30484	1.30227	1.30594	1.29092	
April 18 2024	309.49877	1.30511	1.30254	1.30621	1.29119	
April 19 2024	309.56240	1.30538	1.30281	1.30648	1.29145	
April 20 2024	309.62603	1.30565	1.30308	1.30675	1.29172	
April 21 2024	309.68967	1.30592	1.30335	1.30701	1.29198	
April 22 2024	309.75330	1.30618	1.30361	1.30728	1.29225	
April 23 2024	309.81693	1.30645	1.30388	1.30755	1.29251	
April 24 2024	309.88057	1.30672	1.30415	1.30782	1.29278	
April 25 2024	309.94420	1.30699	1.30442	1.30809	1.29304	
April 26 2024	310.00783	1.30726	1.30468	1.30836	1.29331	
April 27 2024	310.07147	1.30753	1.30495	1.30862	1.29357	
April 28 2024	310.13510	1.30779	1.30522	1.30889	1.29384	
April 29 2024	310.19873	1.30806	1.30549	1.30916	1.29411	
April 30 2024	310.26237	1.30833	1.30576	1.30943	1.29437	
<b>CPI-U (NSA) for:</b>	<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

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	0-3/8% 10-Year TIPS Series D-2027 912828L3 July 15, 2017 July 31, 2017 September 29, 2017 November 30, 2017	0-1/2% 10-Year TIPS Series A-2028 9128283R9 January 15, 2018 January 31, 2018 March 29, 2018 May 31, 2018
Maturity Date: Ref CPI on Dated Date:			January 15, 2027 241.55919	February 15, 2047 241.39250	July 15, 2027 244.61839	January 15, 2028 246.66571
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.27678	1.27766	1.26081	1.25034	
April 2 2024	308.48063	1.27704	1.27792	1.26107	1.25060	
April 3 2024	308.54427	1.27730	1.27818	1.26133	1.25086	
April 4 2024	308.60790	1.27757	1.27845	1.26159	1.25112	
April 5 2024	308.67153	1.27783	1.27871	1.26185	1.25138	
April 6 2024	308.73517	1.27809	1.27898	1.26211	1.25163	
April 7 2024	308.79880	1.27836	1.27924	1.26237	1.25189	
April 8 2024	308.86243	1.27862	1.27950	1.26263	1.25215	
April 9 2024	308.92607	1.27888	1.27977	1.26289	1.25241	
April 10 2024	308.98970	1.27915	1.28003	1.26315	1.25267	
April 11 2024	309.05333	1.27941	1.28029	1.26341	1.25292	
April 12 2024	309.11697	1.27967	1.28056	1.26367	1.25318	
April 13 2024	309.18060	1.27994	1.28082	1.26393	1.25344	
April 14 2024	309.24423	1.28020	1.28108	1.26419	1.25370	
April 15 2024	309.30787	1.28046	1.28135	1.26445	1.25396	
April 16 2024	309.37150	1.28073	1.28161	1.26471	1.25421	
April 17 2024	309.43513	1.28099	1.28188	1.26497	1.25447	
April 18 2024	309.49877	1.28125	1.28214	1.26523	1.25473	
April 19 2024	309.56240	1.28152	1.28240	1.26549	1.25499	
April 20 2024	309.62603	1.28178	1.28267	1.26575	1.25525	
April 21 2024	309.68967	1.28204	1.28293	1.26601	1.25550	
April 22 2024	309.75330	1.28231	1.28319	1.26627	1.25576	
April 23 2024	309.81693	1.28257	1.28346	1.26653	1.25602	
April 24 2024	309.88057	1.28283	1.28372	1.26679	1.25628	
April 25 2024	309.94420	1.28310	1.28398	1.26705	1.25654	
April 26 2024	310.00783	1.28336	1.28425	1.26731	1.25679	
April 27 2024	310.07147	1.28363	1.28451	1.26757	1.25705	
April 28 2024	310.13510	1.28389	1.28478	1.26783	1.25731	
April 29 2024	310.19873	1.28415	1.28504	1.26809	1.25757	
April 30 2024	310.26237	1.28442	1.28530	1.26835	1.25783	
<b>CPI-U (NSA) for:</b>	<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1% 30-Year TIPS TIPS of February 2048 912810SB5 February 15, 2018 February 28, 2018 June 29, 2018 October 31, 2018	0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018	0-7/8% 10-Year TIPS Series A-2029 9128285W6 January 15, 2019 January 31, 2019 March 29, 2019 May 31, 2019	1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019
Maturity Date: Ref CPI on Dated Date:			February 15, 2048 246.59650	July 15, 2028 251.01658	January 15, 2029 252.50248	February 15, 2049 251.63550
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.25069	1.22867	1.22144	1.22565	
April 2 2024	308.48063	1.25095	1.22893	1.22169	1.22590	
April 3 2024	308.54427	1.25121	1.22918	1.22195	1.22616	
April 4 2024	308.60790	1.25147	1.22943	1.22220	1.22641	
April 5 2024	308.67153	1.25173	1.22969	1.22245	1.22666	
April 6 2024	308.73517	1.25199	1.22994	1.22270	1.22691	
April 7 2024	308.79880	1.25224	1.23019	1.22295	1.22717	
April 8 2024	308.86243	1.25250	1.23045	1.22321	1.22742	
April 9 2024	308.92607	1.25276	1.23070	1.22346	1.22767	
April 10 2024	308.98970	1.25302	1.23095	1.22371	1.22793	
April 11 2024	309.05333	1.25328	1.23121	1.22396	1.22818	
April 12 2024	309.11697	1.25353	1.23146	1.22421	1.22843	
April 13 2024	309.18060	1.25379	1.23171	1.22447	1.22868	
April 14 2024	309.24423	1.25405	1.23197	1.22472	1.22894	
April 15 2024	309.30787	1.25431	1.23222	1.22497	1.22919	
April 16 2024	309.37150	1.25457	1.23247	1.22522	1.22944	
April 17 2024	309.43513	1.25482	1.23273	1.22547	1.22970	
April 18 2024	309.49877	1.25508	1.23298	1.22573	1.22995	
April 19 2024	309.56240	1.25534	1.23323	1.22598	1.23020	
April 20 2024	309.62603	1.25560	1.23349	1.22623	1.23045	
April 21 2024	309.68967	1.25586	1.23374	1.22648	1.23071	
April 22 2024	309.75330	1.25611	1.23400	1.22673	1.23096	
April 23 2024	309.81693	1.25637	1.23425	1.22699	1.23121	
April 24 2024	309.88057	1.25663	1.23450	1.22724	1.23147	
April 25 2024	309.94420	1.25689	1.23476	1.22749	1.23172	
April 26 2024	310.00783	1.25715	1.23501	1.22774	1.23197	
April 27 2024	310.07147	1.25740	1.23526	1.22799	1.23222	
April 28 2024	310.13510	1.25766	1.23552	1.22825	1.23248	
April 29 2024	310.19873	1.25792	1.23577	1.22850	1.23273	
April 30 2024	310.26237	1.25818	1.23602	1.22875	1.23298	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/2% 5-Year TIPS Series X-2024 9128286N5 April 15, 2019 April 30, 2019 June 28, 2019	0-1/4% 10-Year TIPS Series D-2029 9128287D6 July 15, 2019 July 31, 2019 September 30, 2019 November 29, 2019	0-1/8% 5-Year TIPS Series AE-2024 912828YL8 October 15, 2019 October 31, 2019 December 31, 2019	0-1/8% 10-Year TIPS Series A-2030 912828Z37 January 15, 2020 January 31, 2020 March 31, 2020 May 29, 2020
Maturity Date: Ref CPI on Dated Date:			April 15, 2024 252.20853	July 15, 2029 255.79368	October 15, 2024 256.56513	January 15, 2030 257.28368
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.22287	1.20573	1.20210	1.19874	
April 2 2024	308.48063	1.22312	1.20597	1.20235	1.19899	
April 3 2024	308.54427	1.22337	1.20622	1.20260	1.19924	
April 4 2024	308.60790	1.22362	1.20647	1.20284	1.19948	
April 5 2024	308.67153	1.22387	1.20672	1.20309	1.19973	
April 6 2024	308.73517	1.22413	1.20697	1.20334	1.19998	
April 7 2024	308.79880	1.22438	1.20722	1.20359	1.20023	
April 8 2024	308.86243	1.22463	1.20747	1.20384	1.20047	
April 9 2024	308.92607	1.22488	1.20772	1.20408	1.20072	
April 10 2024	308.98970	1.22514	1.20796	1.20433	1.20097	
April 11 2024	309.05333	1.22539	1.20821	1.20458	1.20122	
April 12 2024	309.11697	1.22564	1.20846	1.20483	1.20146	
April 13 2024	309.18060	1.22589	1.20871	1.20508	1.20171	
April 14 2024	309.24423	1.22615	1.20896	1.20532	1.20196	
April 15 2024	309.30787	1.22640	1.20921	1.20557	1.20221	
April 16 2024	309.37150		1.20946	1.20582	1.20245	
April 17 2024	309.43513		1.20971	1.20607	1.20270	
April 18 2024	309.49877		1.20995	1.20632	1.20295	
April 19 2024	309.56240		1.21020	1.20656	1.20319	
April 20 2024	309.62603		1.21045	1.20681	1.20344	
April 21 2024	309.68967		1.21070	1.20706	1.20369	
April 22 2024	309.75330		1.21095	1.20731	1.20394	
April 23 2024	309.81693		1.21120	1.20756	1.20418	
April 24 2024	309.88057		1.21145	1.20780	1.20443	
April 25 2024	309.94420		1.21170	1.20805	1.20468	
April 26 2024	310.00783		1.21194	1.20830	1.20493	
April 27 2024	310.07147		1.21219	1.20855	1.20517	
April 28 2024	310.13510		1.21244	1.20880	1.20542	
April 29 2024	310.19873		1.21269	1.20904	1.20567	
April 30 2024	310.26237		1.21294	1.20929	1.20592	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	



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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/4% 30-Year TIPS TIPS of February 2050 912810SM1 February 15, 2020 February 28, 2020 August 31, 2020	0-1/8% 5-Year TIPS Series X-2025 912828ZJ2 April 15, 2020 April 30, 2020 June 30, 2020 July 13, 2020	0-1/8% 10-Year TIPS Series D-2030 912828ZZ6 July 15, 2020 July 31, 2020 September 30, 2020 November 30, 2020	0-1/8% 5-Year TIPS Series AE-2025 91282CAQ4 October 15, 2020 October 30, 2020 December 31, 2020
Maturity Date: Ref CPI on Dated Date:			February 15, 2050 257.09503	April 15, 2025 258.30093	July 15, 2030 256.39126	October 15, 2025 259.46997
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.19962	1.19402	1.20292	1.18864	
April 2 2024	308.48063	1.19987	1.19427	1.20316	1.18889	
April 3 2024	308.54427	1.20012	1.19451	1.20341	1.18913	
April 4 2024	308.60790	1.20037	1.19476	1.20366	1.18938	
April 5 2024	308.67153	1.20061	1.19501	1.20391	1.18962	
April 6 2024	308.73517	1.20086	1.19525	1.20416	1.18987	
April 7 2024	308.79880	1.20111	1.19550	1.20440	1.19011	
April 8 2024	308.86243	1.20136	1.19575	1.20465	1.19036	
April 9 2024	308.92607	1.20160	1.19599	1.20490	1.19060	
April 10 2024	308.98970	1.20185	1.19624	1.20515	1.19085	
April 11 2024	309.05333	1.20210	1.19649	1.20540	1.19109	
April 12 2024	309.11697	1.20235	1.19673	1.20565	1.19134	
April 13 2024	309.18060	1.20259	1.19698	1.20589	1.19159	
April 14 2024	309.24423	1.20284	1.19722	1.20614	1.19183	
April 15 2024	309.30787	1.20309	1.19747	1.20639	1.19208	
April 16 2024	309.37150	1.20334	1.19772	1.20664	1.19232	
April 17 2024	309.43513	1.20358	1.19796	1.20689	1.19257	
April 18 2024	309.49877	1.20383	1.19821	1.20713	1.19281	
April 19 2024	309.56240	1.20408	1.19846	1.20738	1.19306	
April 20 2024	309.62603	1.20433	1.19870	1.20763	1.19330	
April 21 2024	309.68967	1.20457	1.19895	1.20788	1.19355	
April 22 2024	309.75330	1.20482	1.19920	1.20813	1.19379	
April 23 2024	309.81693	1.20507	1.19944	1.20838	1.19404	
April 24 2024	309.88057	1.20532	1.19969	1.20862	1.19428	
April 25 2024	309.94420	1.20556	1.19993	1.20887	1.19453	
April 26 2024	310.00783	1.20581	1.20018	1.20912	1.19477	
April 27 2024	310.07147	1.20606	1.20043	1.20937	1.19502	
April 28 2024	310.13510	1.20631	1.20067	1.20962	1.19526	
April 29 2024	310.19873	1.20655	1.20092	1.20986	1.19551	
April 30 2024	310.26237	1.20680	1.20117	1.21011	1.19575	
<b>CPI-U (NSA) for:</b>	<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series A-2031 91282CBF7 January 15, 2021 January 29, 2021 March 31, 2021 May 28, 2021	0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021	0-1/8% 5-Year TIPS Series X-2026 91282CCA7 April 15, 2021 April 30, 2021 June 30, 2021	0-1/8% 10-Year TIPS Series D-2031 91282CCM1 July 15, 2021 July 30, 2021 September 30, 2021 November 30, 2021
Maturity Date: Ref CPI on Dated Date:			January 15, 2031 260.31619	February 15, 2051 260.35150	April 15, 2026 262.25027	July 15, 2031 268.02090
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.18478	1.18462	1.17604	1.15072	
April 2 2024	308.48063	1.18502	1.18486	1.17628	1.15096	
April 3 2024	308.54427	1.18527	1.18511	1.17653	1.15119	
April 4 2024	308.60790	1.18551	1.18535	1.17677	1.15143	
April 5 2024	308.67153	1.18576	1.18560	1.17701	1.15167	
April 6 2024	308.73517	1.18600	1.18584	1.17725	1.15191	
April 7 2024	308.79880	1.18625	1.18608	1.17750	1.15214	
April 8 2024	308.86243	1.18649	1.18633	1.17774	1.15238	
April 9 2024	308.92607	1.18673	1.18657	1.17798	1.15262	
April 10 2024	308.98970	1.18698	1.18682	1.17822	1.15286	
April 11 2024	309.05333	1.18722	1.18706	1.17847	1.15309	
April 12 2024	309.11697	1.18747	1.18731	1.17871	1.15333	
April 13 2024	309.18060	1.18771	1.18755	1.17895	1.15357	
April 14 2024	309.24423	1.18796	1.18780	1.17920	1.15381	
April 15 2024	309.30787	1.18820	1.18804	1.17944	1.15404	
April 16 2024	309.37150	1.18845	1.18828	1.17968	1.15428	
April 17 2024	309.43513	1.18869	1.18853	1.17992	1.15452	
April 18 2024	309.49877	1.18893	1.18877	1.18017	1.15476	
April 19 2024	309.56240	1.18918	1.18902	1.18041	1.15499	
April 20 2024	309.62603	1.18942	1.18926	1.18065	1.15523	
April 21 2024	309.68967	1.18967	1.18951	1.18089	1.15547	
April 22 2024	309.75330	1.18991	1.18975	1.18114	1.15571	
April 23 2024	309.81693	1.19016	1.18999	1.18138	1.15594	
April 24 2024	309.88057	1.19040	1.19024	1.18162	1.15618	
April 25 2024	309.94420	1.19065	1.19048	1.18186	1.15642	
April 26 2024	310.00783	1.19089	1.19073	1.18211	1.15666	
April 27 2024	310.07147	1.19113	1.19097	1.18235	1.15689	
April 28 2024	310.13510	1.19138	1.19122	1.18259	1.15713	
April 29 2024	310.19873	1.19162	1.19146	1.18283	1.15737	
April 30 2024	310.26237	1.19187	1.19171	1.18308	1.15761	
<b>CPI-U (NSA) for:</b>	<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series AE-2026 91282CDC2 October 15, 2021 October 29, 2021 December 31, 2021	0-1/8% 10-Year TIPS Series A-2032 91282CDX6 January 15, 2022 January 31, 2022 March 31, 2022 May 31, 2022	0-1/8% 30-Year TIPS TIPS of February 2052 912810TE8 February 15, 2022 February 28, 2022 August 31, 2022	0-1/8% 5-Year TIPS Series X-2027 91282CEJ6 April 15, 2022 April 29, 2022 June 30, 2022
Maturity Date: Ref CPI on Dated Date:			October 15, 2026 273.25771	January 15, 2032 277.20274	February 15, 2052 278.37500	April 15, 2027 282.34640
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.12867	1.11260	1.10792	1.09234	
April 2 2024	308.48063	1.12890	1.11283	1.10815	1.09256	
April 3 2024	308.54427	1.12913	1.11306	1.10838	1.09279	
April 4 2024	308.60790	1.12937	1.11329	1.10860	1.09301	
April 5 2024	308.67153	1.12960	1.11352	1.10883	1.09324	
April 6 2024	308.73517	1.12983	1.11375	1.10906	1.09346	
April 7 2024	308.79880	1.13006	1.11398	1.10929	1.09369	
April 8 2024	308.86243	1.13030	1.11421	1.10952	1.09391	
April 9 2024	308.92607	1.13053	1.11444	1.10975	1.09414	
April 10 2024	308.98970	1.13076	1.11467	1.10998	1.09436	
April 11 2024	309.05333	1.13100	1.11490	1.11021	1.09459	
April 12 2024	309.11697	1.13123	1.11513	1.11043	1.09481	
April 13 2024	309.18060	1.13146	1.11536	1.11066	1.09504	
April 14 2024	309.24423	1.13169	1.11559	1.11089	1.09527	
April 15 2024	309.30787	1.13193	1.11582	1.11112	1.09549	
April 16 2024	309.37150	1.13216	1.11605	1.11135	1.09572	
April 17 2024	309.43513	1.13239	1.11628	1.11158	1.09594	
April 18 2024	309.49877	1.13263	1.11651	1.11181	1.09617	
April 19 2024	309.56240	1.13286	1.11674	1.11203	1.09639	
April 20 2024	309.62603	1.13309	1.11697	1.11226	1.09662	
April 21 2024	309.68967	1.13332	1.11720	1.11249	1.09684	
April 22 2024	309.75330	1.13356	1.11743	1.11272	1.09707	
April 23 2024	309.81693	1.13379	1.11765	1.11295	1.09729	
April 24 2024	309.88057	1.13402	1.11788	1.11318	1.09752	
April 25 2024	309.94420	1.13426	1.11811	1.11341	1.09774	
April 26 2024	310.00783	1.13449	1.11834	1.11363	1.09797	
April 27 2024	310.07147	1.13472	1.11857	1.11386	1.09820	
April 28 2024	310.13510	1.13495	1.11880	1.11409	1.09842	
April 29 2024	310.19873	1.13519	1.11903	1.11432	1.09865	
April 30 2024	310.26237	1.13542	1.11926	1.11455	1.09887	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-5/8% 10-Year TIPS Series D-2032 91282CEZ0 July 15, 2022 July 29, 2022 September 30, 2022 November 30, 2022	1-5/8% 5-Year TIPS Series AE-2027 91282CFR7 October 15, 2022 October 31, 2022 December 30, 2022	1-1/8% 10-Year TIPS Series A-2033 91282CGK1 January 15, 2023 January 31, 2023 March 31, 2023 May 31, 2023	1-1/2% 30-Year TIPS TIPS of February 2053 912810TP3 February 15, 2023 February 28, 2023 August 31, 2023
Maturity Date: Ref CPI on Dated Date:			July 15, 2032 290.54829	October 15, 2027 296.22858	January 15, 2033 297.87606	February 15, 2053 297.25400
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.06150	1.04115	1.03539	1.03755	
April 2 2024	308.48063	1.06172	1.04136	1.03560	1.03777	
April 3 2024	308.54427	1.06194	1.04157	1.03581	1.03798	
April 4 2024	308.60790	1.06216	1.04179	1.03603	1.03820	
April 5 2024	308.67153	1.06238	1.04200	1.03624	1.03841	
April 6 2024	308.73517	1.06260	1.04222	1.03646	1.03862	
April 7 2024	308.79880	1.06281	1.04243	1.03667	1.03884	
April 8 2024	308.86243	1.06303	1.04265	1.03688	1.03905	
April 9 2024	308.92607	1.06325	1.04286	1.03710	1.03927	
April 10 2024	308.98970	1.06347	1.04308	1.03731	1.03948	
April 11 2024	309.05333	1.06369	1.04329	1.03752	1.03969	
April 12 2024	309.11697	1.06391	1.04351	1.03774	1.03991	
April 13 2024	309.18060	1.06413	1.04372	1.03795	1.04012	
April 14 2024	309.24423	1.06435	1.04394	1.03816	1.04034	
April 15 2024	309.30787	1.06457	1.04415	1.03838	1.04055	
April 16 2024	309.37150	1.06479	1.04437	1.03859	1.04076	
April 17 2024	309.43513	1.06500	1.04458	1.03880	1.04098	
April 18 2024	309.49877	1.06522	1.04480	1.03902	1.04119	
April 19 2024	309.56240	1.06544	1.04501	1.03923	1.04141	
April 20 2024	309.62603	1.06566	1.04523	1.03945	1.04162	
April 21 2024	309.68967	1.06588	1.04544	1.03966	1.04184	
April 22 2024	309.75330	1.06610	1.04566	1.03987	1.04205	
April 23 2024	309.81693	1.06632	1.04587	1.04009	1.04226	
April 24 2024	309.88057	1.06654	1.04609	1.04030	1.04248	
April 25 2024	309.94420	1.06676	1.04630	1.04051	1.04269	
April 26 2024	310.00783	1.06698	1.04652	1.04073	1.04291	
April 27 2024	310.07147	1.06719	1.04673	1.04094	1.04312	
April 28 2024	310.13510	1.06741	1.04695	1.04115	1.04333	
April 29 2024	310.19873	1.06763	1.04716	1.04137	1.04355	
April 30 2024	310.26237	1.06785	1.04737	1.04158	1.04376	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-1/4% 5-Year TIPS Series X-2028 91282CGW5 April 15, 2023 April 28, 2023 June 30, 2023	1-3/8% 10-Year TIPS Series D-2033 91282CHP9 July 15, 2023 July 31, 2023 September 29, 2023 November 30, 2023	2-3/8% 5-Year TIPS Series AE-2028 91282CJH5 October 15, 2023 October 31, 2023 December 29, 2023	1-3/4% 10-Year TIPS Series A-2034 91282CJY8 January 15, 2024 January 31, 2024
Maturity Date: Ref CPI on Dated Date:			April 15, 2028 299.94933	July 15, 2033 303.70803	October 15, 2028 306.29390	January 15, 2034 307.39100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
April 1 2024	308.41700	1.02823	1.01550	1.00693	1.00334	
April 2 2024	308.48063	1.02844	1.01571	1.00714	1.00354	
April 3 2024	308.54427	1.02865	1.01592	1.00735	1.00375	
April 4 2024	308.60790	1.02887	1.01613	1.00755	1.00396	
April 5 2024	308.67153	1.02908	1.01634	1.00776	1.00417	
April 6 2024	308.73517	1.02929	1.01655	1.00797	1.00437	
April 7 2024	308.79880	1.02950	1.01676	1.00818	1.00458	
April 8 2024	308.86243	1.02972	1.01697	1.00839	1.00479	
April 9 2024	308.92607	1.02993	1.01718	1.00859	1.00499	
April 10 2024	308.98970	1.03014	1.01739	1.00880	1.00520	
April 11 2024	309.05333	1.03035	1.01760	1.00901	1.00541	
April 12 2024	309.11697	1.03056	1.01781	1.00922	1.00561	
April 13 2024	309.18060	1.03078	1.01802	1.00942	1.00582	
April 14 2024	309.24423	1.03099	1.01823	1.00963	1.00603	
April 15 2024	309.30787	1.03120	1.01844	1.00984	1.00624	
April 16 2024	309.37150	1.03141	1.01865	1.01005	1.00644	
April 17 2024	309.43513	1.03162	1.01886	1.01026	1.00665	
April 18 2024	309.49877	1.03184	1.01907	1.01046	1.00686	
April 19 2024	309.56240	1.03205	1.01928	1.01067	1.00706	
April 20 2024	309.62603	1.03226	1.01949	1.01088	1.00727	
April 21 2024	309.68967	1.03247	1.01970	1.01109	1.00748	
April 22 2024	309.75330	1.03269	1.01990	1.01129	1.00769	
April 23 2024	309.81693	1.03290	1.02011	1.01150	1.00789	
April 24 2024	309.88057	1.03311	1.02032	1.01171	1.00810	
April 25 2024	309.94420	1.03332	1.02053	1.01192	1.00831	
April 26 2024	310.00783	1.03353	1.02074	1.01213	1.00851	
April 27 2024	310.07147	1.03375	1.02095	1.01233	1.00872	
April 28 2024	310.13510	1.03396	1.02116	1.01254	1.00893	
April 29 2024	310.19873	1.03417	1.02137	1.01275	1.00913	
April 30 2024	310.26237	1.03438	1.02158	1.01296	1.00934	
<b>CPI-U (NSA) for:</b>			<b>December 2023 306.746</b>	<b>January 2024 308.417</b>	<b>February 2024 310.326</b>	

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

<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>2-1/8% 30-Year TIPS</b> <b>TIPS of February 2054</b> <b>912810TY4</b> <b>February 15, 2024</b> <b>February 29, 2024</b>  <b>February 15, 2054</b> <b>306.90376</b>					
<b>Date</b>			<b>Ref CPI</b>		<b>Index Ratio</b>			
April	1	2024	308.41700	1.00493				
April	2	2024	308.48063	1.00514				
April	3	2024	308.54427	1.00535				
April	4	2024	308.60790	1.00555				
April	5	2024	308.67153	1.00576				
April	6	2024	308.73517	1.00597				
April	7	2024	308.79880	1.00617				
April	8	2024	308.86243	1.00638				
April	9	2024	308.92607	1.00659				
April	10	2024	308.98970	1.00680				
April	11	2024	309.05333	1.00700				
April	12	2024	309.11697	1.00721				
April	13	2024	309.18060	1.00742				
April	14	2024	309.24423	1.00763				
April	15	2024	309.30787	1.00783				
April	16	2024	309.37150	1.00804				
April	17	2024	309.43513	1.00825				
April	18	2024	309.49877	1.00846				
April	19	2024	309.56240	1.00866				
April	20	2024	309.62603	1.00887				
April	21	2024	309.68967	1.00908				
April	22	2024	309.75330	1.00928				
April	23	2024	309.81693	1.00949				
April	24	2024	309.88057	1.00970				
April	25	2024	309.94420	1.00991				
April	26	2024	310.00783	1.01011				
April	27	2024	310.07147	1.01032				
April	28	2024	310.13510	1.01053				
April	29	2024	310.19873	1.01074				
April	30	2024	310.26237	1.01094				
<b>CPI-U (NSA) for:</b>			<b>December 2023</b>	<b>306.746</b>	<b>January 2024</b>	<b>308.417</b>	<b>February 2024</b>	<b>310.326</b>