

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	October 15, 2001	January 31, 2005 July 29, 2005
Maturity Date:			April 15, 2028	April 15, 2029	April 15, 2032	January 15, 2025
Ref CPI on Dated Date:			161.74000	164.39333	177.50000	188.49677
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
March 1 2024	306.74600	1.89654	1.86593	1.72815	1.62733	
March 2 2024	306.79990	1.89687	1.86626	1.72845	1.62761	
March 3 2024	306.85381	1.89720	1.86658	1.72875	1.62790	
March 4 2024	306.90771	1.89754	1.86691	1.72906	1.62819	
March 5 2024	306.96161	1.89787	1.86724	1.72936	1.62847	
March 6 2024	307.01552	1.89820	1.86757	1.72966	1.62876	
March 7 2024	307.06942	1.89854	1.86789	1.72997	1.62904	
March 8 2024	307.12332	1.89887	1.86822	1.73027	1.62933	
March 9 2024	307.17723	1.89920	1.86855	1.73058	1.62962	
March 10 2024	307.23113	1.89954	1.86888	1.73088	1.62990	
March 11 2024	307.28503	1.89987	1.86921	1.73118	1.63019	
March 12 2024	307.33894	1.90020	1.86953	1.73149	1.63047	
March 13 2024	307.39284	1.90054	1.86986	1.73179	1.63076	
March 14 2024	307.44674	1.90087	1.87019	1.73209	1.63105	
March 15 2024	307.50065	1.90120	1.87052	1.73240	1.63133	
March 16 2024	307.55455	1.90154	1.87085	1.73270	1.63162	
March 17 2024	307.60845	1.90187	1.87117	1.73301	1.63190	
March 18 2024	307.66235	1.90220	1.87150	1.73331	1.63219	
March 19 2024	307.71626	1.90254	1.87183	1.73361	1.63247	
March 20 2024	307.77016	1.90287	1.87216	1.73392	1.63276	
March 21 2024	307.82406	1.90320	1.87249	1.73422	1.63305	
March 22 2024	307.87797	1.90354	1.87281	1.73452	1.63333	
March 23 2024	307.93187	1.90387	1.87314	1.73483	1.63362	
March 24 2024	307.98577	1.90420	1.87347	1.73513	1.63390	
March 25 2024	308.03968	1.90454	1.87380	1.73543	1.63419	
March 26 2024	308.09358	1.90487	1.87412	1.73574	1.63448	
March 27 2024	308.14748	1.90520	1.87445	1.73604	1.63476	
March 28 2024	308.20139	1.90554	1.87478	1.73635	1.63505	
March 29 2024	308.25529	1.90587	1.87511	1.73665	1.63533	
March 30 2024	308.30919	1.90620	1.87544	1.73695	1.63562	
March 31 2024	308.36310	1.90654	1.87576	1.73726	1.63591	
CPI-U (NSA) for:			November 2023 307.051	December 2023 306.746	January 2024 308.417	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.54550	1.52107	1.46421	1.42872	
March 2 2024	306.79990	1.54577	1.52134	1.46446	1.42897	
March 3 2024	306.85381	1.54604	1.52161	1.46472	1.42922	
March 4 2024	306.90771	1.54631	1.52187	1.46498	1.42947	
March 5 2024	306.96161	1.54658	1.52214	1.46524	1.42973	
March 6 2024	307.01552	1.54685	1.52241	1.46549	1.42998	
March 7 2024	307.06942	1.54713	1.52267	1.46575	1.43023	
March 8 2024	307.12332	1.54740	1.52294	1.46601	1.43048	
March 9 2024	307.17723	1.54767	1.52321	1.46626	1.43073	
March 10 2024	307.23113	1.54794	1.52348	1.46652	1.43098	
March 11 2024	307.28503	1.54821	1.52374	1.46678	1.43123	
March 12 2024	307.33894	1.54848	1.52401	1.46704	1.43148	
March 13 2024	307.39284	1.54875	1.52428	1.46729	1.43173	
March 14 2024	307.44674	1.54903	1.52455	1.46755	1.43198	
March 15 2024	307.50065	1.54930	1.52481	1.46781	1.43224	
March 16 2024	307.55455	1.54957	1.52508	1.46807	1.43249	
March 17 2024	307.60845	1.54984	1.52535	1.46832	1.43274	
March 18 2024	307.66235	1.55011	1.52561	1.46858	1.43299	
March 19 2024	307.71626	1.55038	1.52588	1.46884	1.43324	
March 20 2024	307.77016	1.55066	1.52615	1.46909	1.43349	
March 21 2024	307.82406	1.55093	1.52642	1.46935	1.43374	
March 22 2024	307.87797	1.55120	1.52668	1.46961	1.43399	
March 23 2024	307.93187	1.55147	1.52695	1.46987	1.43424	
March 24 2024	307.98577	1.55174	1.52722	1.47012	1.43450	
March 25 2024	308.03968	1.55201	1.52749	1.47038	1.43475	
March 26 2024	308.09358	1.55229	1.52775	1.47064	1.43500	
March 27 2024	308.14748	1.55256	1.52802	1.47090	1.43525	
March 28 2024	308.20139	1.55283	1.52829	1.47115	1.43550	
March 29 2024	308.25529	1.55310	1.52855	1.47141	1.43575	
March 30 2024	308.30919	1.55337	1.52882	1.47167	1.43600	
March 31 2024	308.36310	1.55364	1.52909	1.47193	1.43625	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.41920	1.40072	1.35752	1.33419	
March 2 2024	306.79990	1.41945	1.40097	1.35776	1.33443	
March 3 2024	306.85381	1.41970	1.40122	1.35800	1.33466	
March 4 2024	306.90771	1.41995	1.40146	1.35824	1.33490	
March 5 2024	306.96161	1.42020	1.40171	1.35847	1.33513	
March 6 2024	307.01552	1.42045	1.40195	1.35871	1.33537	
March 7 2024	307.06942	1.42070	1.40220	1.35895	1.33560	
March 8 2024	307.12332	1.42095	1.40245	1.35919	1.33584	
March 9 2024	307.17723	1.42120	1.40269	1.35943	1.33607	
March 10 2024	307.23113	1.42145	1.40294	1.35967	1.33630	
March 11 2024	307.28503	1.42170	1.40319	1.35991	1.33654	
March 12 2024	307.33894	1.42195	1.40343	1.36014	1.33677	
March 13 2024	307.39284	1.42220	1.40368	1.36038	1.33701	
March 14 2024	307.44674	1.42245	1.40392	1.36062	1.33724	
March 15 2024	307.50065	1.42270	1.40417	1.36086	1.33748	
March 16 2024	307.55455	1.42294	1.40442	1.36110	1.33771	
March 17 2024	307.60845	1.42319	1.40466	1.36134	1.33795	
March 18 2024	307.66235	1.42344	1.40491	1.36158	1.33818	
March 19 2024	307.71626	1.42369	1.40515	1.36181	1.33841	
March 20 2024	307.77016	1.42394	1.40540	1.36205	1.33865	
March 21 2024	307.82406	1.42419	1.40565	1.36229	1.33888	
March 22 2024	307.87797	1.42444	1.40589	1.36253	1.33912	
March 23 2024	307.93187	1.42469	1.40614	1.36277	1.33935	
March 24 2024	307.98577	1.42494	1.40639	1.36301	1.33959	
March 25 2024	308.03968	1.42519	1.40663	1.36324	1.33982	
March 26 2024	308.09358	1.42544	1.40688	1.36348	1.34006	
March 27 2024	308.14748	1.42569	1.40712	1.36372	1.34029	
March 28 2024	308.20139	1.42594	1.40737	1.36396	1.34052	
March 29 2024	308.25529	1.42619	1.40762	1.36420	1.34076	
March 30 2024	308.30919	1.42644	1.40786	1.36444	1.34099	
March 31 2024	308.36310	1.42669	1.40811	1.36468	1.34123	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.31617	1.29186	1.29508	1.30263	
March 2 2024	306.79990	1.31640	1.29208	1.29531	1.30286	
March 3 2024	306.85381	1.31664	1.29231	1.29554	1.30309	
March 4 2024	306.90771	1.31687	1.29254	1.29577	1.30332	
March 5 2024	306.96161	1.31710	1.29276	1.29599	1.30355	
March 6 2024	307.01552	1.31733	1.29299	1.29622	1.30378	
March 7 2024	307.06942	1.31756	1.29322	1.29645	1.30401	
March 8 2024	307.12332	1.31779	1.29345	1.29668	1.30424	
March 9 2024	307.17723	1.31802	1.29367	1.29691	1.30446	
March 10 2024	307.23113	1.31825	1.29390	1.29713	1.30469	
March 11 2024	307.28503	1.31849	1.29413	1.29736	1.30492	
March 12 2024	307.33894	1.31872	1.29435	1.29759	1.30515	
March 13 2024	307.39284	1.31895	1.29458	1.29782	1.30538	
March 14 2024	307.44674	1.31918	1.29481	1.29804	1.30561	
March 15 2024	307.50065	1.31941	1.29503	1.29827	1.30584	
March 16 2024	307.55455	1.31964	1.29526	1.29850	1.30607	
March 17 2024	307.60845	1.31987	1.29549	1.29873	1.30630	
March 18 2024	307.66235	1.32010	1.29572	1.29895	1.30652	
March 19 2024	307.71626	1.32034	1.29594	1.29918	1.30675	
March 20 2024	307.77016	1.32057	1.29617	1.29941	1.30698	
March 21 2024	307.82406	1.32080	1.29640	1.29964	1.30721	
March 22 2024	307.87797	1.32103	1.29662	1.29986	1.30744	
March 23 2024	307.93187	1.32126	1.29685	1.30009	1.30767	
March 24 2024	307.98577	1.32149	1.29708	1.30032	1.30790	
March 25 2024	308.03968	1.32172	1.29730	1.30055	1.30813	
March 26 2024	308.09358	1.32196	1.29753	1.30077	1.30836	
March 27 2024	308.14748	1.32219	1.29776	1.30100	1.30858	
March 28 2024	308.20139	1.32242	1.29799	1.30123	1.30881	
March 29 2024	308.25529	1.32265	1.29821	1.30146	1.30904	
March 30 2024	308.30919	1.32288	1.29844	1.30168	1.30927	
March 31 2024	308.36310	1.32311	1.29867	1.30191	1.30950	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.29350	1.29096	1.29459	1.27970	
March 2 2024	306.79990	1.29373	1.29118	1.29482	1.27993	
March 3 2024	306.85381	1.29396	1.29141	1.29505	1.28015	
March 4 2024	306.90771	1.29418	1.29164	1.29527	1.28038	
March 5 2024	306.96161	1.29441	1.29186	1.29550	1.28060	
March 6 2024	307.01552	1.29464	1.29209	1.29573	1.28083	
March 7 2024	307.06942	1.29487	1.29232	1.29596	1.28105	
March 8 2024	307.12332	1.29509	1.29255	1.29618	1.28128	
March 9 2024	307.17723	1.29532	1.29277	1.29641	1.28150	
March 10 2024	307.23113	1.29555	1.29300	1.29664	1.28172	
March 11 2024	307.28503	1.29578	1.29323	1.29687	1.28195	
March 12 2024	307.33894	1.29600	1.29345	1.29709	1.28217	
March 13 2024	307.39284	1.29623	1.29368	1.29732	1.28240	
March 14 2024	307.44674	1.29646	1.29391	1.29755	1.28262	
March 15 2024	307.50065	1.29669	1.29413	1.29778	1.28285	
March 16 2024	307.55455	1.29691	1.29436	1.29800	1.28307	
March 17 2024	307.60845	1.29714	1.29459	1.29823	1.28330	
March 18 2024	307.66235	1.29737	1.29481	1.29846	1.28352	
March 19 2024	307.71626	1.29759	1.29504	1.29869	1.28375	
March 20 2024	307.77016	1.29782	1.29527	1.29891	1.28397	
March 21 2024	307.82406	1.29805	1.29549	1.29914	1.28420	
March 22 2024	307.87797	1.29828	1.29572	1.29937	1.28442	
March 23 2024	307.93187	1.29850	1.29595	1.29960	1.28465	
March 24 2024	307.98577	1.29873	1.29617	1.29982	1.28487	
March 25 2024	308.03968	1.29896	1.29640	1.30005	1.28510	
March 26 2024	308.09358	1.29919	1.29663	1.30028	1.28532	
March 27 2024	308.14748	1.29941	1.29686	1.30050	1.28555	
March 28 2024	308.20139	1.29964	1.29708	1.30073	1.28577	
March 29 2024	308.25529	1.29987	1.29731	1.30096	1.28600	
March 30 2024	308.30919	1.30009	1.29754	1.30119	1.28622	
March 31 2024	308.36310	1.30032	1.29776	1.30141	1.28645	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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 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
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	
March 1 2024	306.74600	1.26986	1.27074	1.25398	1.24357	
March 2 2024	306.79990	1.27008	1.27096	1.25420	1.24379	
March 3 2024	306.85381	1.27030	1.27118	1.25442	1.24401	
March 4 2024	306.90771	1.27053	1.27141	1.25464	1.24423	
March 5 2024	306.96161	1.27075	1.27163	1.25486	1.24444	
March 6 2024	307.01552	1.27097	1.27185	1.25508	1.24466	
March 7 2024	307.06942	1.27120	1.27208	1.25530	1.24488	
March 8 2024	307.12332	1.27142	1.27230	1.25552	1.24510	
March 9 2024	307.17723	1.27164	1.27252	1.25574	1.24532	
March 10 2024	307.23113	1.27187	1.27275	1.25596	1.24554	
March 11 2024	307.28503	1.27209	1.27297	1.25618	1.24575	
March 12 2024	307.33894	1.27231	1.27319	1.25640	1.24597	
March 13 2024	307.39284	1.27254	1.27342	1.25662	1.24619	
March 14 2024	307.44674	1.27276	1.27364	1.25684	1.24641	
March 15 2024	307.50065	1.27298	1.27386	1.25706	1.24663	
March 16 2024	307.55455	1.27321	1.27408	1.25728	1.24685	
March 17 2024	307.60845	1.27343	1.27431	1.25750	1.24707	
March 18 2024	307.66235	1.27365	1.27453	1.25772	1.24728	
March 19 2024	307.71626	1.27388	1.27475	1.25794	1.24750	
March 20 2024	307.77016	1.27410	1.27498	1.25816	1.24772	
March 21 2024	307.82406	1.27432	1.27520	1.25838	1.24794	
March 22 2024	307.87797	1.27454	1.27542	1.25861	1.24816	
March 23 2024	307.93187	1.27477	1.27565	1.25883	1.24838	
March 24 2024	307.98577	1.27499	1.27587	1.25905	1.24860	
March 25 2024	308.03968	1.27521	1.27609	1.25927	1.24881	
March 26 2024	308.09358	1.27544	1.27632	1.25949	1.24903	
March 27 2024	308.14748	1.27566	1.27654	1.25971	1.24925	
March 28 2024	308.20139	1.27588	1.27676	1.25993	1.24947	
March 29 2024	308.25529	1.27611	1.27699	1.26015	1.24969	
March 30 2024	308.30919	1.27633	1.27721	1.26037	1.24991	
March 31 2024	308.36310	1.27655	1.27743	1.26059	1.25013	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.24392	1.22201	1.21482	1.21901	
March 2 2024	306.79990	1.24414	1.22223	1.21504	1.21922	
March 3 2024	306.85381	1.24436	1.22244	1.21525	1.21944	
March 4 2024	306.90771	1.24457	1.22266	1.21546	1.21965	
March 5 2024	306.96161	1.24479	1.22287	1.21568	1.21987	
March 6 2024	307.01552	1.24501	1.22309	1.21589	1.22008	
March 7 2024	307.06942	1.24523	1.22330	1.21610	1.22029	
March 8 2024	307.12332	1.24545	1.22352	1.21632	1.22051	
March 9 2024	307.17723	1.24567	1.22373	1.21653	1.22072	
March 10 2024	307.23113	1.24589	1.22395	1.21674	1.22094	
March 11 2024	307.28503	1.24610	1.22416	1.21696	1.22115	
March 12 2024	307.33894	1.24632	1.22438	1.21717	1.22137	
March 13 2024	307.39284	1.24654	1.22459	1.21739	1.22158	
March 14 2024	307.44674	1.24676	1.22481	1.21760	1.22179	
March 15 2024	307.50065	1.24698	1.22502	1.21781	1.22201	
March 16 2024	307.55455	1.24720	1.22524	1.21803	1.22222	
March 17 2024	307.60845	1.24742	1.22545	1.21824	1.22244	
March 18 2024	307.66235	1.24763	1.22567	1.21845	1.22265	
March 19 2024	307.71626	1.24785	1.22588	1.21867	1.22287	
March 20 2024	307.77016	1.24807	1.22609	1.21888	1.22308	
March 21 2024	307.82406	1.24829	1.22631	1.21909	1.22329	
March 22 2024	307.87797	1.24851	1.22652	1.21931	1.22351	
March 23 2024	307.93187	1.24873	1.22674	1.21952	1.22372	
March 24 2024	307.98577	1.24895	1.22695	1.21973	1.22394	
March 25 2024	308.03968	1.24916	1.22717	1.21995	1.22415	
March 26 2024	308.09358	1.24938	1.22738	1.22016	1.22436	
March 27 2024	308.14748	1.24960	1.22760	1.22037	1.22458	
March 28 2024	308.20139	1.24982	1.22781	1.22059	1.22479	
March 29 2024	308.25529	1.25004	1.22803	1.22080	1.22501	
March 30 2024	308.30919	1.25026	1.22824	1.22101	1.22522	
March 31 2024	308.36310	1.25048	1.22846	1.22123	1.22544	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.21624	1.19919	1.19559	1.19225	
March 2 2024	306.79990	1.21645	1.19940	1.19580	1.19246	
March 3 2024	306.85381	1.21667	1.19961	1.19601	1.19267	
March 4 2024	306.90771	1.21688	1.19983	1.19622	1.19288	
March 5 2024	306.96161	1.21709	1.20004	1.19643	1.19309	
March 6 2024	307.01552	1.21731	1.20025	1.19664	1.19330	
March 7 2024	307.06942	1.21752	1.20046	1.19685	1.19351	
March 8 2024	307.12332	1.21774	1.20067	1.19706	1.19371	
March 9 2024	307.17723	1.21795	1.20088	1.19727	1.19392	
March 10 2024	307.23113	1.21816	1.20109	1.19748	1.19413	
March 11 2024	307.28503	1.21838	1.20130	1.19769	1.19434	
March 12 2024	307.33894	1.21859	1.20151	1.19790	1.19455	
March 13 2024	307.39284	1.21880	1.20172	1.19811	1.19476	
March 14 2024	307.44674	1.21902	1.20193	1.19832	1.19497	
March 15 2024	307.50065	1.21923	1.20214	1.19853	1.19518	
March 16 2024	307.55455	1.21945	1.20235	1.19874	1.19539	
March 17 2024	307.60845	1.21966	1.20256	1.19895	1.19560	
March 18 2024	307.66235	1.21987	1.20278	1.19916	1.19581	
March 19 2024	307.71626	1.22009	1.20299	1.19937	1.19602	
March 20 2024	307.77016	1.22030	1.20320	1.19958	1.19623	
March 21 2024	307.82406	1.22051	1.20341	1.19979	1.19644	
March 22 2024	307.87797	1.22073	1.20362	1.20000	1.19665	
March 23 2024	307.93187	1.22094	1.20383	1.20021	1.19686	
March 24 2024	307.98577	1.22116	1.20404	1.20042	1.19707	
March 25 2024	308.03968	1.22137	1.20425	1.20063	1.19728	
March 26 2024	308.09358	1.22158	1.20446	1.20084	1.19749	
March 27 2024	308.14748	1.22180	1.20467	1.20105	1.19770	
March 28 2024	308.20139	1.22201	1.20488	1.20126	1.19790	
March 29 2024	308.25529	1.22222	1.20509	1.20147	1.19811	
March 30 2024	308.30919	1.22244	1.20530	1.20168	1.19832	
March 31 2024	308.36310	1.22265	1.20551	1.20189	1.19853	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.19312	1.18755	1.19640	1.18220	
March 2 2024	306.79990	1.19333	1.18776	1.19661	1.18241	
March 3 2024	306.85381	1.19354	1.18797	1.19682	1.18262	
March 4 2024	306.90771	1.19375	1.18818	1.19703	1.18283	
March 5 2024	306.96161	1.19396	1.18839	1.19724	1.18303	
March 6 2024	307.01552	1.19417	1.18860	1.19745	1.18324	
March 7 2024	307.06942	1.19438	1.18880	1.19766	1.18345	
March 8 2024	307.12332	1.19459	1.18901	1.19787	1.18366	
March 9 2024	307.17723	1.19480	1.18922	1.19808	1.18386	
March 10 2024	307.23113	1.19501	1.18943	1.19829	1.18407	
March 11 2024	307.28503	1.19522	1.18964	1.19850	1.18428	
March 12 2024	307.33894	1.19543	1.18985	1.19871	1.18449	
March 13 2024	307.39284	1.19564	1.19006	1.19892	1.18470	
March 14 2024	307.44674	1.19585	1.19027	1.19913	1.18490	
March 15 2024	307.50065	1.19606	1.19047	1.19934	1.18511	
March 16 2024	307.55455	1.19627	1.19068	1.19955	1.18532	
March 17 2024	307.60845	1.19648	1.19089	1.19976	1.18553	
March 18 2024	307.66235	1.19669	1.19110	1.19997	1.18573	
March 19 2024	307.71626	1.19690	1.19131	1.20018	1.18594	
March 20 2024	307.77016	1.19711	1.19152	1.20039	1.18615	
March 21 2024	307.82406	1.19732	1.19173	1.20060	1.18636	
March 22 2024	307.87797	1.19753	1.19194	1.20081	1.18656	
March 23 2024	307.93187	1.19774	1.19214	1.20102	1.18677	
March 24 2024	307.98577	1.19795	1.19235	1.20123	1.18698	
March 25 2024	308.03968	1.19815	1.19256	1.20144	1.18719	
March 26 2024	308.09358	1.19836	1.19277	1.20165	1.18740	
March 27 2024	308.14748	1.19857	1.19298	1.20186	1.18760	
March 28 2024	308.20139	1.19878	1.19319	1.20207	1.18781	
March 29 2024	308.25529	1.19899	1.19340	1.20228	1.18802	
March 30 2024	308.30919	1.19920	1.19360	1.20249	1.18823	
March 31 2024	308.36310	1.19941	1.19381	1.20271	1.18843	
CPI-U (NSA) for:	November 2023	307.051	December 2023	306.746	January 2024	308.417

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.17836	1.17820	1.16967	1.14449	
March 2 2024	306.79990	1.17857	1.17841	1.16987	1.14469	
March 3 2024	306.85381	1.17877	1.17861	1.17008	1.14489	
March 4 2024	306.90771	1.17898	1.17882	1.17029	1.14509	
March 5 2024	306.96161	1.17919	1.17903	1.17049	1.14529	
March 6 2024	307.01552	1.17939	1.17923	1.17070	1.14549	
March 7 2024	307.06942	1.17960	1.17944	1.17090	1.14569	
March 8 2024	307.12332	1.17981	1.17965	1.17111	1.14589	
March 9 2024	307.17723	1.18002	1.17986	1.17131	1.14609	
March 10 2024	307.23113	1.18022	1.18006	1.17152	1.14630	
March 11 2024	307.28503	1.18043	1.18027	1.17172	1.14650	
March 12 2024	307.33894	1.18064	1.18048	1.17193	1.14670	
March 13 2024	307.39284	1.18084	1.18068	1.17214	1.14690	
March 14 2024	307.44674	1.18105	1.18089	1.17234	1.14710	
March 15 2024	307.50065	1.18126	1.18110	1.17255	1.14730	
March 16 2024	307.55455	1.18147	1.18131	1.17275	1.14750	
March 17 2024	307.60845	1.18167	1.18151	1.17296	1.14770	
March 18 2024	307.66235	1.18188	1.18172	1.17316	1.14790	
March 19 2024	307.71626	1.18209	1.18193	1.17337	1.14811	
March 20 2024	307.77016	1.18229	1.18213	1.17357	1.14831	
March 21 2024	307.82406	1.18250	1.18234	1.17378	1.14851	
March 22 2024	307.87797	1.18271	1.18255	1.17399	1.14871	
March 23 2024	307.93187	1.18291	1.18275	1.17419	1.14891	
March 24 2024	307.98577	1.18312	1.18296	1.17440	1.14911	
March 25 2024	308.03968	1.18333	1.18317	1.17460	1.14931	
March 26 2024	308.09358	1.18354	1.18338	1.17481	1.14951	
March 27 2024	308.14748	1.18374	1.18358	1.17501	1.14971	
March 28 2024	308.20139	1.18395	1.18379	1.17522	1.14992	
March 29 2024	308.25529	1.18416	1.18400	1.17542	1.15012	
March 30 2024	308.30919	1.18436	1.18420	1.17563	1.15032	
March 31 2024	308.36310	1.18457	1.18441	1.17584	1.15052	
CPI-U (NSA) for:			November 2023 307.051	December 2023 306.746	January 2024 308.417	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.12255	1.10658	1.10192	1.08642	
March 2 2024	306.79990	1.12275	1.10677	1.10211	1.08661	
March 3 2024	306.85381	1.12295	1.10697	1.10230	1.08680	
March 4 2024	306.90771	1.12314	1.10716	1.10250	1.08699	
March 5 2024	306.96161	1.12334	1.10735	1.10269	1.08718	
March 6 2024	307.01552	1.12354	1.10755	1.10288	1.08737	
March 7 2024	307.06942	1.12374	1.10774	1.10308	1.08756	
March 8 2024	307.12332	1.12393	1.10794	1.10327	1.08775	
March 9 2024	307.17723	1.12413	1.10813	1.10347	1.08794	
March 10 2024	307.23113	1.12433	1.10833	1.10366	1.08814	
March 11 2024	307.28503	1.12452	1.10852	1.10385	1.08833	
March 12 2024	307.33894	1.12472	1.10872	1.10405	1.08852	
March 13 2024	307.39284	1.12492	1.10891	1.10424	1.08871	
March 14 2024	307.44674	1.12512	1.10910	1.10443	1.08890	
March 15 2024	307.50065	1.12531	1.10930	1.10463	1.08909	
March 16 2024	307.55455	1.12551	1.10949	1.10482	1.08928	
March 17 2024	307.60845	1.12571	1.10969	1.10501	1.08947	
March 18 2024	307.66235	1.12591	1.10988	1.10521	1.08966	
March 19 2024	307.71626	1.12610	1.11008	1.10540	1.08985	
March 20 2024	307.77016	1.12630	1.11027	1.10560	1.09004	
March 21 2024	307.82406	1.12650	1.11047	1.10579	1.09024	
March 22 2024	307.87797	1.12669	1.11066	1.10598	1.09043	
March 23 2024	307.93187	1.12689	1.11085	1.10618	1.09062	
March 24 2024	307.98577	1.12709	1.11105	1.10637	1.09081	
March 25 2024	308.03968	1.12729	1.11124	1.10656	1.09100	
March 26 2024	308.09358	1.12748	1.11144	1.10676	1.09119	
March 27 2024	308.14748	1.12768	1.11163	1.10695	1.09138	
March 28 2024	308.20139	1.12788	1.11183	1.10714	1.09157	
March 29 2024	308.25529	1.12808	1.11202	1.10734	1.09176	
March 30 2024	308.30919	1.12827	1.11222	1.10753	1.09195	
March 31 2024	308.36310	1.12847	1.11241	1.10773	1.09214	
CPI-U (NSA) for:			November 2023 307.051	December 2023 306.746	January 2024 308.417	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.05575	1.03550	1.02978	1.03193	
March 2 2024	306.79990	1.05593	1.03569	1.02996	1.03211	
March 3 2024	306.85381	1.05612	1.03587	1.03014	1.03229	
March 4 2024	306.90771	1.05631	1.03605	1.03032	1.03248	
March 5 2024	306.96161	1.05649	1.03623	1.03050	1.03266	
March 6 2024	307.01552	1.05668	1.03641	1.03068	1.03284	
March 7 2024	307.06942	1.05686	1.03660	1.03086	1.03302	
March 8 2024	307.12332	1.05705	1.03678	1.03104	1.03320	
March 9 2024	307.17723	1.05723	1.03696	1.03122	1.03338	
March 10 2024	307.23113	1.05742	1.03714	1.03141	1.03356	
March 11 2024	307.28503	1.05760	1.03732	1.03159	1.03375	
March 12 2024	307.33894	1.05779	1.03751	1.03177	1.03393	
March 13 2024	307.39284	1.05798	1.03769	1.03195	1.03411	
March 14 2024	307.44674	1.05816	1.03787	1.03213	1.03429	
March 15 2024	307.50065	1.05835	1.03805	1.03231	1.03447	
March 16 2024	307.55455	1.05853	1.03823	1.03249	1.03465	
March 17 2024	307.60845	1.05872	1.03842	1.03267	1.03483	
March 18 2024	307.66235	1.05890	1.03860	1.03285	1.03502	
March 19 2024	307.71626	1.05909	1.03878	1.03303	1.03520	
March 20 2024	307.77016	1.05927	1.03896	1.03322	1.03538	
March 21 2024	307.82406	1.05946	1.03914	1.03340	1.03556	
March 22 2024	307.87797	1.05964	1.03933	1.03358	1.03574	
March 23 2024	307.93187	1.05983	1.03951	1.03376	1.03592	
March 24 2024	307.98577	1.06002	1.03969	1.03394	1.03610	
March 25 2024	308.03968	1.06020	1.03987	1.03412	1.03628	
March 26 2024	308.09358	1.06039	1.04005	1.03430	1.03647	
March 27 2024	308.14748	1.06057	1.04024	1.03448	1.03665	
March 28 2024	308.20139	1.06076	1.04042	1.03466	1.03683	
March 29 2024	308.25529	1.06094	1.04060	1.03484	1.03701	
March 30 2024	308.30919	1.06113	1.04078	1.03503	1.03719	
March 31 2024	308.36310	1.06131	1.04096	1.03521	1.03737	
CPI-U (NSA) for:			November 2023 307.051	December 2023 306.746	January 2024 308.417	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
March 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	
March 1 2024	306.74600	1.02266	1.01000	1.00148	0.99790	
March 2 2024	306.79990	1.02284	1.01018	1.00165	0.99808	
March 3 2024	306.85381	1.02302	1.01036	1.00183	0.99825	
March 4 2024	306.90771	1.02320	1.01054	1.00200	0.99843	
March 5 2024	306.96161	1.02338	1.01071	1.00218	0.99860	
March 6 2024	307.01552	1.02356	1.01089	1.00236	0.99878	
March 7 2024	307.06942	1.02374	1.01107	1.00253	0.99895	
March 8 2024	307.12332	1.02392	1.01125	1.00271	0.99913	
March 9 2024	307.17723	1.02410	1.01142	1.00288	0.99930	
March 10 2024	307.23113	1.02428	1.01160	1.00306	0.99948	
March 11 2024	307.28503	1.02446	1.01178	1.00324	0.99966	
March 12 2024	307.33894	1.02464	1.01196	1.00341	0.99983	
March 13 2024	307.39284	1.02482	1.01213	1.00359	1.00001	
March 14 2024	307.44674	1.02500	1.01231	1.00376	1.00018	
March 15 2024	307.50065	1.02518	1.01249	1.00394	1.00036	
March 16 2024	307.55455	1.02536	1.01267	1.00412	1.00053	
March 17 2024	307.60845	1.02553	1.01284	1.00429	1.00071	
March 18 2024	307.66235	1.02571	1.01302	1.00447	1.00088	
March 19 2024	307.71626	1.02589	1.01320	1.00464	1.00106	
March 20 2024	307.77016	1.02607	1.01338	1.00482	1.00123	
March 21 2024	307.82406	1.02625	1.01355	1.00500	1.00141	
March 22 2024	307.87797	1.02643	1.01373	1.00517	1.00158	
March 23 2024	307.93187	1.02661	1.01391	1.00535	1.00176	
March 24 2024	307.98577	1.02679	1.01409	1.00552	1.00193	
March 25 2024	308.03968	1.02697	1.01426	1.00570	1.00211	
March 26 2024	308.09358	1.02715	1.01444	1.00588	1.00229	
March 27 2024	308.14748	1.02733	1.01462	1.00605	1.00246	
March 28 2024	308.20139	1.02751	1.01479	1.00623	1.00264	
March 29 2024	308.25529	1.02769	1.01497	1.00640	1.00281	
March 30 2024	308.30919	1.02787	1.01515	1.00658	1.00299	
March 31 2024	308.36310	1.02805	1.01533	1.00676	1.00316	
CPI-U (NSA) for:			November 2023 307.051	December 2023 306.746	January 2024 308.417	