

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

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	
January 1 2017	241.72900	1.49455	1.47043	1.36185	1.28240	
January 2 2017	241.71687	1.49448	1.47036	1.36179	1.28234	
January 3 2017	241.70474	1.49440	1.47028	1.36172	1.28228	
January 4 2017	241.69261	1.49433	1.47021	1.36165	1.28221	
January 5 2017	241.68048	1.49425	1.47014	1.36158	1.28215	
January 6 2017	241.66835	1.49418	1.47006	1.36151	1.28208	
January 7 2017	241.65623	1.49410	1.46999	1.36144	1.28202	
January 8 2017	241.64410	1.49403	1.46991	1.36138	1.28195	
January 9 2017	241.63197	1.49395	1.46984	1.36131	1.28189	
January 10 2017	241.61984	1.49388	1.46977	1.36124	1.28182	
January 11 2017	241.60771	1.49380	1.46969	1.36117	1.28176	
January 12 2017	241.59558	1.49373	1.46962	1.36110	1.28170	
January 13 2017	241.58345	1.49365	1.46955	1.36103	1.28163	
January 14 2017	241.57132	1.49358	1.46947	1.36097	1.28157	
January 15 2017	241.55919	1.49350	1.46940	1.36090	1.28150	
January 16 2017	241.54706	1.49343	1.46932	1.36083	1.28144	
January 17 2017	241.53494	1.49335	1.46925	1.36076	1.28137	
January 18 2017	241.52281	1.49328	1.46918	1.36069	1.28131	
January 19 2017	241.51068	1.49320	1.46910	1.36062	1.28125	
January 20 2017	241.49855	1.49313	1.46903	1.36056	1.28118	
January 21 2017	241.48642	1.49305	1.46896	1.36049	1.28112	
January 22 2017	241.47429	1.49298	1.46888	1.36042	1.28105	
January 23 2017	241.46216	1.49290	1.46881	1.36035	1.28099	
January 24 2017	241.45003	1.49283	1.46873	1.36028	1.28092	
January 25 2017	241.43790	1.49275	1.46866	1.36021	1.28086	
January 26 2017	241.42577	1.49268	1.46859	1.36015	1.28080	
January 27 2017	241.41365	1.49260	1.46851	1.36008	1.28073	
January 28 2017	241.40152	1.49253	1.46844	1.36001	1.28067	
January 29 2017	241.38939	1.49245	1.46836	1.35994	1.28060	
January 30 2017	241.37726	1.49238	1.46829	1.35987	1.28054	
January 31 2017	241.36513	1.49230	1.46822	1.35980	1.28047	
CPI-U (NSA) for:			September 2016 241.428	October 2016 241.729	November 2016 241.353	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

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 January 31, 2006	2-3/8% 10-Year TIPS Series A-2017 912828GD6 January 15, 2007 January 16, 2007 April 16, 2007	2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007	2-5/8% 10-Year TIPS Series D-2017 912828GX2 July 15, 2007 July 16, 2007 October 15, 2007
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2017 201.66452	January 15, 2027 201.66452	July 15, 2017 207.25639
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.21792	1.19867	1.19867	1.16633	
January 2 2017	241.71687	1.21786	1.19861	1.19861	1.16627	
January 3 2017	241.70474	1.21779	1.19855	1.19855	1.16621	
January 4 2017	241.69261	1.21773	1.19849	1.19849	1.16615	
January 5 2017	241.68048	1.21767	1.19843	1.19843	1.16609	
January 6 2017	241.66835	1.21761	1.19837	1.19837	1.16604	
January 7 2017	241.65623	1.21755	1.19831	1.19831	1.16598	
January 8 2017	241.64410	1.21749	1.19825	1.19825	1.16592	
January 9 2017	241.63197	1.21743	1.19819	1.19819	1.16586	
January 10 2017	241.61984	1.21737	1.19813	1.19813	1.16580	
January 11 2017	241.60771	1.21731	1.19807	1.19807	1.16574	
January 12 2017	241.59558	1.21724	1.19801	1.19801	1.16568	
January 13 2017	241.58345	1.21718	1.19795	1.19795	1.16563	
January 14 2017	241.57132	1.21712	1.19789	1.19789	1.16557	
January 15 2017	241.55919	1.21706	1.19783	1.19783	1.16551	
January 16 2017	241.54706	1.21700		1.19777	1.16545	
January 17 2017	241.53494	1.21694		1.19771	1.16539	
January 18 2017	241.52281	1.21688		1.19765	1.16533	
January 19 2017	241.51068	1.21682		1.19759	1.16527	
January 20 2017	241.49855	1.21676		1.19753	1.16522	
January 21 2017	241.48642	1.21669		1.19747	1.16516	
January 22 2017	241.47429	1.21663		1.19741	1.16510	
January 23 2017	241.46216	1.21657		1.19735	1.16504	
January 24 2017	241.45003	1.21651		1.19729	1.16498	
January 25 2017	241.43790	1.21645		1.19723	1.16492	
January 26 2017	241.42577	1.21639		1.19717	1.16487	
January 27 2017	241.41365	1.21633		1.19711	1.16481	
January 28 2017	241.40152	1.21627		1.19705	1.16475	
January 29 2017	241.38939	1.21621		1.19698	1.16469	
January 30 2017	241.37726	1.21614		1.19692	1.16463	
January 31 2017	241.36513	1.21608		1.19686	1.16457	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-5/8% 10-Year TIPS Series A-2018 912828HN3 January 15, 2008 January 15, 2008 April 15, 2008	1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008	1-3/8% 10-Year TIPS Series D-2018 912828JE1 July 15, 2008 July 15, 2008 October 15, 2008	2-1/8% 10-Year TIPS Series A-2019 912828JX9 January 15, 2009 January 15, 2009 April 15, 2009
Maturity Date: Ref CPI on Dated Date:			January 15, 2018 209.49645	January 15, 2028 209.49645	July 15, 2018 215.63997	January 15, 2019 214.69971
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.15386	1.15386	1.12098	1.12589	
January 2 2017	241.71687	1.15380	1.15380	1.12093	1.12584	
January 3 2017	241.70474	1.15374	1.15374	1.12087	1.12578	
January 4 2017	241.69261	1.15368	1.15368	1.12082	1.12572	
January 5 2017	241.68048	1.15363	1.15363	1.12076	1.12567	
January 6 2017	241.66835	1.15357	1.15357	1.12070	1.12561	
January 7 2017	241.65623	1.15351	1.15351	1.12065	1.12555	
January 8 2017	241.64410	1.15345	1.15345	1.12059	1.12550	
January 9 2017	241.63197	1.15339	1.15339	1.12053	1.12544	
January 10 2017	241.61984	1.15334	1.15334	1.12048	1.12539	
January 11 2017	241.60771	1.15328	1.15328	1.12042	1.12533	
January 12 2017	241.59558	1.15322	1.15322	1.12037	1.12527	
January 13 2017	241.58345	1.15316	1.15316	1.12031	1.12522	
January 14 2017	241.57132	1.15310	1.15310	1.12025	1.12516	
January 15 2017	241.55919	1.15305	1.15305	1.12020	1.12510	
January 16 2017	241.54706	1.15299	1.15299	1.12014	1.12505	
January 17 2017	241.53494	1.15293	1.15293	1.12008	1.12499	
January 18 2017	241.52281	1.15287	1.15287	1.12003	1.12493	
January 19 2017	241.51068	1.15282	1.15282	1.11997	1.12488	
January 20 2017	241.49855	1.15276	1.15276	1.11992	1.12482	
January 21 2017	241.48642	1.15270	1.15270	1.11986	1.12476	
January 22 2017	241.47429	1.15264	1.15264	1.11980	1.12471	
January 23 2017	241.46216	1.15258	1.15258	1.11975	1.12465	
January 24 2017	241.45003	1.15253	1.15253	1.11969	1.12459	
January 25 2017	241.43790	1.15247	1.15247	1.11963	1.12454	
January 26 2017	241.42577	1.15241	1.15241	1.11958	1.12448	
January 27 2017	241.41365	1.15235	1.15235	1.11952	1.12442	
January 28 2017	241.40152	1.15229	1.15229	1.11947	1.12437	
January 29 2017	241.38939	1.15224	1.15224	1.11941	1.12431	
January 30 2017	241.37726	1.15218	1.15218	1.11935	1.12426	
January 31 2017	241.36513	1.15212	1.15212	1.11930	1.12420	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009	1-7/8% 10-Year TIPS Series D-2019 912828LA6 July 15, 2009 July 15, 2009 October 15, 2009	1-3/8% 10-Year TIPS Series A-2020 912828MF4 January 15, 2010 January 15, 2010 April 15, 2010	2-1/8% 30-Year TIPS TIPS of February 2040 912810QF8 February 15, 2010 February 26, 2010 August 31, 2010
Maturity Date: Ref CPI on Dated Date:			January 15, 2029 214.69971	July 15, 2019 213.51819	January 15, 2020 216.24610	February 15, 2040 216.13950
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.12589	1.13212	1.11784	1.11839	
January 2 2017	241.71687	1.12584	1.13207	1.11779	1.11834	
January 3 2017	241.70474	1.12578	1.13201	1.11773	1.11828	
January 4 2017	241.69261	1.12572	1.13195	1.11767	1.11823	
January 5 2017	241.68048	1.12567	1.13190	1.11762	1.11817	
January 6 2017	241.66835	1.12561	1.13184	1.11756	1.11811	
January 7 2017	241.65623	1.12555	1.13178	1.11751	1.11806	
January 8 2017	241.64410	1.12550	1.13173	1.11745	1.11800	
January 9 2017	241.63197	1.12544	1.13167	1.11739	1.11794	
January 10 2017	241.61984	1.12539	1.13161	1.11734	1.11789	
January 11 2017	241.60771	1.12533	1.13156	1.11728	1.11783	
January 12 2017	241.59558	1.12527	1.13150	1.11723	1.11778	
January 13 2017	241.58345	1.12522	1.13144	1.11717	1.11772	
January 14 2017	241.57132	1.12516	1.13139	1.11711	1.11766	
January 15 2017	241.55919	1.12510	1.13133	1.11706	1.11761	
January 16 2017	241.54706	1.12505	1.13127	1.11700	1.11755	
January 17 2017	241.53494	1.12499	1.13121	1.11694	1.11750	
January 18 2017	241.52281	1.12493	1.13116	1.11689	1.11744	
January 19 2017	241.51068	1.12488	1.13110	1.11683	1.11738	
January 20 2017	241.49855	1.12482	1.13104	1.11678	1.11733	
January 21 2017	241.48642	1.12476	1.13099	1.11672	1.11727	
January 22 2017	241.47429	1.12471	1.13093	1.11666	1.11721	
January 23 2017	241.46216	1.12465	1.13087	1.11661	1.11716	
January 24 2017	241.45003	1.12459	1.13082	1.11655	1.11710	
January 25 2017	241.43790	1.12454	1.13076	1.11650	1.11705	
January 26 2017	241.42577	1.12448	1.13070	1.11644	1.11699	
January 27 2017	241.41365	1.12442	1.13065	1.11638	1.11693	
January 28 2017	241.40152	1.12437	1.13059	1.11633	1.11688	
January 29 2017	241.38939	1.12431	1.13053	1.11627	1.11682	
January 30 2017	241.37726	1.12426	1.13048	1.11622	1.11677	
January 31 2017	241.36513	1.12420	1.13042	1.11616	1.11671	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-1/4% 10-Year TIPS Series D-2020 912828NM8 July 15, 2010 July 15, 2010 September 15, 2010 November 15, 2010	1-1/8% 10-Year TIPS Series A-2021 912828PP9 January 15, 2011 January 31, 2011 March 31, 2011 May 31, 2011	2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 2011	0-5/8% 10-Year TIPS Series D-2021 912828QV5 July 15, 2011 July 29, 2011 September 30, 2011 November 30, 2011
Maturity Date: Ref CPI on Dated Date:			July 15, 2020 218.08532	January 15, 2021 218.75255	February 15, 2041 218.99100	July 15, 2021 225.38381
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.10841	1.10503	1.10383	1.07252	
January 2 2017	241.71687	1.10836	1.10498	1.10378	1.07247	
January 3 2017	241.70474	1.10830	1.10492	1.10372	1.07241	
January 4 2017	241.69261	1.10825	1.10487	1.10366	1.07236	
January 5 2017	241.68048	1.10819	1.10481	1.10361	1.07231	
January 6 2017	241.66835	1.10814	1.10476	1.10355	1.07225	
January 7 2017	241.65623	1.10808	1.10470	1.10350	1.07220	
January 8 2017	241.64410	1.10803	1.10465	1.10344	1.07214	
January 9 2017	241.63197	1.10797	1.10459	1.10339	1.07209	
January 10 2017	241.61984	1.10791	1.10453	1.10333	1.07204	
January 11 2017	241.60771	1.10786	1.10448	1.10328	1.07198	
January 12 2017	241.59558	1.10780	1.10442	1.10322	1.07193	
January 13 2017	241.58345	1.10775	1.10437	1.10317	1.07188	
January 14 2017	241.57132	1.10769	1.10431	1.10311	1.07182	
January 15 2017	241.55919	1.10764	1.10426	1.10306	1.07177	
January 16 2017	241.54706	1.10758	1.10420	1.10300	1.07171	
January 17 2017	241.53494	1.10752	1.10415	1.10294	1.07166	
January 18 2017	241.52281	1.10747	1.10409	1.10289	1.07161	
January 19 2017	241.51068	1.10741	1.10404	1.10283	1.07155	
January 20 2017	241.49855	1.10736	1.10398	1.10278	1.07150	
January 21 2017	241.48642	1.10730	1.10393	1.10272	1.07145	
January 22 2017	241.47429	1.10725	1.10387	1.10267	1.07139	
January 23 2017	241.46216	1.10719	1.10381	1.10261	1.07134	
January 24 2017	241.45003	1.10714	1.10376	1.10256	1.07128	
January 25 2017	241.43790	1.10708	1.10370	1.10250	1.07123	
January 26 2017	241.42577	1.10702	1.10365	1.10245	1.07118	
January 27 2017	241.41365	1.10697	1.10359	1.10239	1.07112	
January 28 2017	241.40152	1.10691	1.10354	1.10234	1.07107	
January 29 2017	241.38939	1.10686	1.10348	1.10228	1.07101	
January 30 2017	241.37726	1.10680	1.10343	1.10222	1.07096	
January 31 2017	241.36513	1.10675	1.10337	1.10217	1.07091	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series A-2022 912828SA9 January 15, 2012 February 29, 2012 March 30, 2012 May 31, 2012	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-1/8% 5-Year TIPS Series X-2017 912828SQ4 April 15, 2012 April 30, 2012 August 31, 2012 December 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:			January 15, 2022 226.33474	February 15, 2042 225.96062	April 15, 2017 227.13073	July 15, 2022 229.96306
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.06802	1.06978	1.06427	1.05116	
January 2 2017	241.71687	1.06796	1.06973	1.06422	1.05111	
January 3 2017	241.70474	1.06791	1.06968	1.06417	1.05106	
January 4 2017	241.69261	1.06785	1.06962	1.06411	1.05101	
January 5 2017	241.68048	1.06780	1.06957	1.06406	1.05095	
January 6 2017	241.66835	1.06775	1.06952	1.06401	1.05090	
January 7 2017	241.65623	1.06769	1.06946	1.06395	1.05085	
January 8 2017	241.64410	1.06764	1.06941	1.06390	1.05080	
January 9 2017	241.63197	1.06759	1.06935	1.06385	1.05074	
January 10 2017	241.61984	1.06753	1.06930	1.06379	1.05069	
January 11 2017	241.60771	1.06748	1.06925	1.06374	1.05064	
January 12 2017	241.59558	1.06743	1.06919	1.06369	1.05058	
January 13 2017	241.58345	1.06737	1.06914	1.06363	1.05053	
January 14 2017	241.57132	1.06732	1.06909	1.06358	1.05048	
January 15 2017	241.55919	1.06727	1.06903	1.06352	1.05043	
January 16 2017	241.54706	1.06721	1.06898	1.06347	1.05037	
January 17 2017	241.53494	1.06716	1.06892	1.06342	1.05032	
January 18 2017	241.52281	1.06710	1.06887	1.06336	1.05027	
January 19 2017	241.51068	1.06705	1.06882	1.06331	1.05022	
January 20 2017	241.49855	1.06700	1.06876	1.06326	1.05016	
January 21 2017	241.48642	1.06694	1.06871	1.06320	1.05011	
January 22 2017	241.47429	1.06689	1.06866	1.06315	1.05006	
January 23 2017	241.46216	1.06684	1.06860	1.06310	1.05000	
January 24 2017	241.45003	1.06678	1.06855	1.06304	1.04995	
January 25 2017	241.43790	1.06673	1.06850	1.06299	1.04990	
January 26 2017	241.42577	1.06668	1.06844	1.06294	1.04985	
January 27 2017	241.41365	1.06662	1.06839	1.06288	1.04979	
January 28 2017	241.40152	1.06657	1.06833	1.06283	1.04974	
January 29 2017	241.38939	1.06651	1.06828	1.06278	1.04969	
January 30 2017	241.37726	1.06646	1.06823	1.06272	1.04963	
January 31 2017	241.36513	1.06641	1.06817	1.06267	1.04958	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

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Ref CPI and Index Ratios for
January 2017

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	0-1/8% 5-Year TIPS Series X-2018 912828UX6 April 15, 2013 April 30, 2013 August 30, 2013 December 31, 2013	0-3/8% 10-Year TIPS Series D-2023 912828VM9 July 15, 2013 July 31, 2013 September 30, 2013 November 29, 2013
Maturity Date: Ref CPI on Dated Date:			January 15, 2023 230.82203	February 15, 2043 229.91100	April 15, 2018 231.16013	July 15, 2023 232.71797
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.04725	1.05140	1.04572	1.03872	
January 2 2017	241.71687	1.04720	1.05135	1.04567	1.03867	
January 3 2017	241.70474	1.04715	1.05130	1.04562	1.03862	
January 4 2017	241.69261	1.04710	1.05124	1.04556	1.03856	
January 5 2017	241.68048	1.04704	1.05119	1.04551	1.03851	
January 6 2017	241.66835	1.04699	1.05114	1.04546	1.03846	
January 7 2017	241.65623	1.04694	1.05109	1.04541	1.03841	
January 8 2017	241.64410	1.04688	1.05103	1.04535	1.03836	
January 9 2017	241.63197	1.04683	1.05098	1.04530	1.03830	
January 10 2017	241.61984	1.04678	1.05093	1.04525	1.03825	
January 11 2017	241.60771	1.04673	1.05087	1.04520	1.03820	
January 12 2017	241.59558	1.04667	1.05082	1.04514	1.03815	
January 13 2017	241.58345	1.04662	1.05077	1.04509	1.03810	
January 14 2017	241.57132	1.04657	1.05072	1.04504	1.03804	
January 15 2017	241.55919	1.04652	1.05066	1.04499	1.03799	
January 16 2017	241.54706	1.04646	1.05061	1.04493	1.03794	
January 17 2017	241.53494	1.04641	1.05056	1.04488	1.03789	
January 18 2017	241.52281	1.04636	1.05051	1.04483	1.03783	
January 19 2017	241.51068	1.04631	1.05045	1.04478	1.03778	
January 20 2017	241.49855	1.04625	1.05040	1.04472	1.03773	
January 21 2017	241.48642	1.04620	1.05035	1.04467	1.03768	
January 22 2017	241.47429	1.04615	1.05029	1.04462	1.03763	
January 23 2017	241.46216	1.04610	1.05024	1.04457	1.03757	
January 24 2017	241.45003	1.04604	1.05019	1.04451	1.03752	
January 25 2017	241.43790	1.04599	1.05014	1.04446	1.03747	
January 26 2017	241.42577	1.04594	1.05008	1.04441	1.03742	
January 27 2017	241.41365	1.04589	1.05003	1.04436	1.03737	
January 28 2017	241.40152	1.04583	1.04998	1.04430	1.03731	
January 29 2017	241.38939	1.04578	1.04993	1.04425	1.03726	
January 30 2017	241.37726	1.04573	1.04987	1.04420	1.03721	
January 31 2017	241.36513	1.04568	1.04982	1.04415	1.03716	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-5/8% 10-Year TIPS Series A-2024 912828B25 January 15, 2014 January 31, 2014 March 31, 2014 May 30, 2014	1-3/8% 30-Year TIPS TIPS of February 2044 912810RF7 February 15, 2014 February 28, 2014 June 30, 2014 October 31, 2014	0-1/8% 5-Year TIPS Series X-2019 912828C99 April 15, 2014 April 30, 2014 August 29, 2014 December 31, 2014	0-1/8% 10-Year TIPS Series D-2024 912828WU0 July 15, 2014 July 31, 2014 September 30, 2014 November 28, 2014
Maturity Date: Ref CPI on Dated Date:			January 15, 2024 233.33058	February 15, 2044 233.05900	April 15, 2019 234.31967	July 15, 2024 237.44594
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.03599	1.03720	1.03162	1.01804	
January 2 2017	241.71687	1.03594	1.03715	1.03157	1.01799	
January 3 2017	241.70474	1.03589	1.03710	1.03152	1.01794	
January 4 2017	241.69261	1.03584	1.03704	1.03147	1.01788	
January 5 2017	241.68048	1.03579	1.03699	1.03141	1.01783	
January 6 2017	241.66835	1.03573	1.03694	1.03136	1.01778	
January 7 2017	241.65623	1.03568	1.03689	1.03131	1.01773	
January 8 2017	241.64410	1.03563	1.03684	1.03126	1.01768	
January 9 2017	241.63197	1.03558	1.03678	1.03121	1.01763	
January 10 2017	241.61984	1.03553	1.03673	1.03115	1.01758	
January 11 2017	241.60771	1.03547	1.03668	1.03110	1.01753	
January 12 2017	241.59558	1.03542	1.03663	1.03105	1.01748	
January 13 2017	241.58345	1.03537	1.03658	1.03100	1.01743	
January 14 2017	241.57132	1.03532	1.03652	1.03095	1.01737	
January 15 2017	241.55919	1.03527	1.03647	1.03090	1.01732	
January 16 2017	241.54706	1.03521	1.03642	1.03084	1.01727	
January 17 2017	241.53494	1.03516	1.03637	1.03079	1.01722	
January 18 2017	241.52281	1.03511	1.03632	1.03074	1.01717	
January 19 2017	241.51068	1.03506	1.03626	1.03069	1.01712	
January 20 2017	241.49855	1.03501	1.03621	1.03064	1.01707	
January 21 2017	241.48642	1.03495	1.03616	1.03059	1.01702	
January 22 2017	241.47429	1.03490	1.03611	1.03053	1.01697	
January 23 2017	241.46216	1.03485	1.03606	1.03048	1.01691	
January 24 2017	241.45003	1.03480	1.03600	1.03043	1.01686	
January 25 2017	241.43790	1.03475	1.03595	1.03038	1.01681	
January 26 2017	241.42577	1.03469	1.03590	1.03033	1.01676	
January 27 2017	241.41365	1.03464	1.03585	1.03027	1.01671	
January 28 2017	241.40152	1.03459	1.03580	1.03022	1.01666	
January 29 2017	241.38939	1.03454	1.03574	1.03017	1.01661	
January 30 2017	241.37726	1.03449	1.03569	1.03012	1.01656	
January 31 2017	241.36513	1.03443	1.03564	1.03007	1.01651	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2017

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/4% 10-Year TIPS Series A-2025 912828H45 January 15, 2015 February 30, 2015 March 31, 2015 May 29, 2015	0-3/4% 30-Year TIPS TIPS of February 2045 912810RL4 February 15, 2015 February 27, 2015 June 30, 2015 October 30, 2015	0-1/8% 5-Year TIPS Series X-2020 912828K33 April 15, 2015 April 30, 2015 August 31, 2015 December 31, 2015	0-3/8% 10-Year TIPS Series D-2025 912828XL9 July 15, 2015 July 31, 2015 September 30, 2015 November 30, 2015
Maturity Date: Ref CPI on Dated Date:			January 15, 2025 236.85403	February 15, 2045 235.48150	April 15, 2020 234.18067	July 15, 2025 237.14365
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.02058	1.02653	1.03223	1.01934	
January 2 2017	241.71687	1.02053	1.02648	1.03218	1.01928	
January 3 2017	241.70474	1.02048	1.02643	1.03213	1.01923	
January 4 2017	241.69261	1.02043	1.02638	1.03208	1.01918	
January 5 2017	241.68048	1.02038	1.02632	1.03203	1.01913	
January 6 2017	241.66835	1.02033	1.02627	1.03197	1.01908	
January 7 2017	241.65623	1.02027	1.02622	1.03192	1.01903	
January 8 2017	241.64410	1.02022	1.02617	1.03187	1.01898	
January 9 2017	241.63197	1.02017	1.02612	1.03182	1.01893	
January 10 2017	241.61984	1.02012	1.02607	1.03177	1.01888	
January 11 2017	241.60771	1.02007	1.02602	1.03172	1.01882	
January 12 2017	241.59558	1.02002	1.02596	1.03166	1.01877	
January 13 2017	241.58345	1.01997	1.02591	1.03161	1.01872	
January 14 2017	241.57132	1.01992	1.02586	1.03156	1.01867	
January 15 2017	241.55919	1.01987	1.02581	1.03151	1.01862	
January 16 2017	241.54706	1.01981	1.02576	1.03146	1.01857	
January 17 2017	241.53494	1.01976	1.02571	1.03140	1.01852	
January 18 2017	241.52281	1.01971	1.02566	1.03135	1.01847	
January 19 2017	241.51068	1.01966	1.02560	1.03130	1.01842	
January 20 2017	241.49855	1.01961	1.02555	1.03125	1.01836	
January 21 2017	241.48642	1.01956	1.02550	1.03120	1.01831	
January 22 2017	241.47429	1.01951	1.02545	1.03115	1.01826	
January 23 2017	241.46216	1.01946	1.02540	1.03109	1.01821	
January 24 2017	241.45003	1.01940	1.02535	1.03104	1.01816	
January 25 2017	241.43790	1.01935	1.02529	1.03099	1.01811	
January 26 2017	241.42577	1.01930	1.02524	1.03094	1.01806	
January 27 2017	241.41365	1.01925	1.02519	1.03089	1.01801	
January 28 2017	241.40152	1.01920	1.02514	1.03083	1.01795	
January 29 2017	241.38939	1.01915	1.02509	1.03078	1.01790	
January 30 2017	241.37726	1.01910	1.02504	1.03073	1.01785	
January 31 2017	241.36513	1.01905	1.02499	1.03068	1.01780	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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% 5-Year TIPS Series X-2021 912828Q60 April 15, 2016 April 29, 2016 August 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:			January 15, 2026 237.61129	February 15, 2046 236.94448	April 15, 2021 237.00700	July 15, 2026 239.70132
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2017	241.72900	1.01733	1.02019	1.01992	1.00846	
January 2 2017	241.71687	1.01728	1.02014	1.01987	1.00841	
January 3 2017	241.70474	1.01723	1.02009	1.01982	1.00836	
January 4 2017	241.69261	1.01718	1.02004	1.01977	1.00831	
January 5 2017	241.68048	1.01713	1.01999	1.01972	1.00826	
January 6 2017	241.66835	1.01707	1.01994	1.01967	1.00821	
January 7 2017	241.65623	1.01702	1.01989	1.01962	1.00816	
January 8 2017	241.64410	1.01697	1.01983	1.01957	1.00811	
January 9 2017	241.63197	1.01692	1.01978	1.01951	1.00805	
January 10 2017	241.61984	1.01687	1.01973	1.01946	1.00800	
January 11 2017	241.60771	1.01682	1.01968	1.01941	1.00795	
January 12 2017	241.59558	1.01677	1.01963	1.01936	1.00790	
January 13 2017	241.58345	1.01672	1.01958	1.01931	1.00785	
January 14 2017	241.57132	1.01667	1.01953	1.01926	1.00780	
January 15 2017	241.55919	1.01661	1.01948	1.01921	1.00775	
January 16 2017	241.54706	1.01656	1.01942	1.01916	1.00770	
January 17 2017	241.53494	1.01651	1.01937	1.01910	1.00765	
January 18 2017	241.52281	1.01646	1.01932	1.01905	1.00760	
January 19 2017	241.51068	1.01641	1.01927	1.01900	1.00755	
January 20 2017	241.49855	1.01636	1.01922	1.01895	1.00750	
January 21 2017	241.48642	1.01631	1.01917	1.01890	1.00745	
January 22 2017	241.47429	1.01626	1.01912	1.01885	1.00740	
January 23 2017	241.46216	1.01621	1.01907	1.01880	1.00735	
January 24 2017	241.45003	1.01616	1.01902	1.01875	1.00730	
January 25 2017	241.43790	1.01610	1.01896	1.01870	1.00724	
January 26 2017	241.42577	1.01605	1.01891	1.01864	1.00719	
January 27 2017	241.41365	1.01600	1.01886	1.01859	1.00714	
January 28 2017	241.40152	1.01595	1.01881	1.01854	1.00709	
January 29 2017	241.38939	1.01590	1.01876	1.01849	1.00704	
January 30 2017	241.37726	1.01585	1.01871	1.01844	1.00699	
January 31 2017	241.36513	1.01580	1.01866	1.01839	1.00694	
CPI-U (NSA) for:	September 2016	241.428	October 2016	241.729	November 2016	241.353