

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 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	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	
May 1 2017	243.60300	1.50614	1.48183	1.37241	1.29235	
May 2 2017	243.60939	1.50618	1.48187	1.37245	1.29238	
May 3 2017	243.61577	1.50622	1.48191	1.37248	1.29241	
May 4 2017	243.62216	1.50626	1.48195	1.37252	1.29245	
May 5 2017	243.62855	1.50630	1.48199	1.37256	1.29248	
May 6 2017	243.63494	1.50634	1.48202	1.37259	1.29252	
May 7 2017	243.64132	1.50638	1.48206	1.37263	1.29255	
May 8 2017	243.64771	1.50642	1.48210	1.37266	1.29258	
May 9 2017	243.65410	1.50646	1.48214	1.37270	1.29262	
May 10 2017	243.66048	1.50649	1.48218	1.37274	1.29265	
May 11 2017	243.66687	1.50653	1.48222	1.37277	1.29268	
May 12 2017	243.67326	1.50657	1.48226	1.37281	1.29272	
May 13 2017	243.67965	1.50661	1.48230	1.37284	1.29275	
May 14 2017	243.68603	1.50665	1.48234	1.37288	1.29279	
May 15 2017	243.69242	1.50669	1.48237	1.37292	1.29282	
May 16 2017	243.69881	1.50673	1.48241	1.37295	1.29285	
May 17 2017	243.70519	1.50677	1.48245	1.37299	1.29289	
May 18 2017	243.71158	1.50681	1.48249	1.37302	1.29292	
May 19 2017	243.71797	1.50685	1.48253	1.37306	1.29296	
May 20 2017	243.72435	1.50689	1.48257	1.37309	1.29299	
May 21 2017	243.73074	1.50693	1.48261	1.37313	1.29302	
May 22 2017	243.73713	1.50697	1.48265	1.37317	1.29306	
May 23 2017	243.74352	1.50701	1.48268	1.37320	1.29309	
May 24 2017	243.74990	1.50705	1.48272	1.37324	1.29313	
May 25 2017	243.75629	1.50709	1.48276	1.37327	1.29316	
May 26 2017	243.76268	1.50713	1.48280	1.37331	1.29319	
May 27 2017	243.76906	1.50717	1.48284	1.37335	1.29323	
May 28 2017	243.77545	1.50721	1.48288	1.37338	1.29326	
May 29 2017	243.78184	1.50725	1.48292	1.37342	1.29329	
May 30 2017	243.78823	1.50728	1.48296	1.37345	1.29333	
May 31 2017	243.79461	1.50732	1.48300	1.37349	1.29336	
CPI-U (NSA) for:			January 2017 242.839	February 2017 243.603	March 2017 243.801	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 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 July 31, 2006	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	1-5/8% 10-Year TIPS Series A-2018 912828HN3 January 15, 2008 January 15, 2008 April 15, 2008
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2027 201.66452	July 15, 2017 207.25639	January 15, 2018 209.49645
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.22736	1.20796	1.17537	1.16280	
May 2 2017	243.60939	1.22739	1.20799	1.17540	1.16283	
May 3 2017	243.61577	1.22742	1.20802	1.17543	1.16286	
May 4 2017	243.62216	1.22746	1.20806	1.17546	1.16289	
May 5 2017	243.62855	1.22749	1.20809	1.17549	1.16292	
May 6 2017	243.63494	1.22752	1.20812	1.17552	1.16295	
May 7 2017	243.64132	1.22755	1.20815	1.17556	1.16299	
May 8 2017	243.64771	1.22758	1.20818	1.17559	1.16302	
May 9 2017	243.65410	1.22762	1.20822	1.17562	1.16305	
May 10 2017	243.66048	1.22765	1.20825	1.17565	1.16308	
May 11 2017	243.66687	1.22768	1.20828	1.17568	1.16311	
May 12 2017	243.67326	1.22771	1.20831	1.17571	1.16314	
May 13 2017	243.67965	1.22774	1.20834	1.17574	1.16317	
May 14 2017	243.68603	1.22778	1.20837	1.17577	1.16320	
May 15 2017	243.69242	1.22781	1.20841	1.17580	1.16323	
May 16 2017	243.69881	1.22784	1.20844	1.17583	1.16326	
May 17 2017	243.70519	1.22787	1.20847	1.17586	1.16329	
May 18 2017	243.71158	1.22791	1.20850	1.17589	1.16332	
May 19 2017	243.71797	1.22794	1.20853	1.17592	1.16335	
May 20 2017	243.72435	1.22797	1.20856	1.17596	1.16338	
May 21 2017	243.73074	1.22800	1.20860	1.17599	1.16341	
May 22 2017	243.73713	1.22803	1.20863	1.17602	1.16344	
May 23 2017	243.74352	1.22807	1.20866	1.17605	1.16347	
May 24 2017	243.74990	1.22810	1.20869	1.17608	1.16350	
May 25 2017	243.75629	1.22813	1.20872	1.17611	1.16353	
May 26 2017	243.76268	1.22816	1.20875	1.17614	1.16356	
May 27 2017	243.76906	1.22820	1.20879	1.17617	1.16360	
May 28 2017	243.77545	1.22823	1.20882	1.17620	1.16363	
May 29 2017	243.78184	1.22826	1.20885	1.17623	1.16366	
May 30 2017	243.78823	1.22829	1.20888	1.17626	1.16369	
May 31 2017	243.79461	1.22832	1.20891	1.17629	1.16372	
CPI-U (NSA) for:			January 2017 242.839	February 2017 243.603	March 2017 243.801	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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, 2028 209.49645	July 15, 2018 215.63997	January 15, 2019 214.69971	January 15, 2029 214.69971		
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio			
May 1 2017	243.60300	1.16280	1.12967	1.13462	1.13462			
May 2 2017	243.60939	1.16283	1.12970	1.13465	1.13465			
May 3 2017	243.61577	1.16286	1.12973	1.13468	1.13468			
May 4 2017	243.62216	1.16289	1.12976	1.13471	1.13471			
May 5 2017	243.62855	1.16292	1.12979	1.13474	1.13474			
May 6 2017	243.63494	1.16295	1.12982	1.13477	1.13477			
May 7 2017	243.64132	1.16299	1.12985	1.13480	1.13480			
May 8 2017	243.64771	1.16302	1.12988	1.13483	1.13483			
May 9 2017	243.65410	1.16305	1.12991	1.13486	1.13486			
May 10 2017	243.66048	1.16308	1.12994	1.13489	1.13489			
May 11 2017	243.66687	1.16311	1.12997	1.13492	1.13492			
May 12 2017	243.67326	1.16314	1.13000	1.13495	1.13495			
May 13 2017	243.67965	1.16317	1.13003	1.13498	1.13498			
May 14 2017	243.68603	1.16320	1.13006	1.13501	1.13501			
May 15 2017	243.69242	1.16323	1.13009	1.13504	1.13504			
May 16 2017	243.69881	1.16326	1.13012	1.13507	1.13507			
May 17 2017	243.70519	1.16329	1.13015	1.13510	1.13510			
May 18 2017	243.71158	1.16332	1.13018	1.13513	1.13513			
May 19 2017	243.71797	1.16335	1.13021	1.13516	1.13516			
May 20 2017	243.72435	1.16338	1.13024	1.13519	1.13519			
May 21 2017	243.73074	1.16341	1.13027	1.13522	1.13522			
May 22 2017	243.73713	1.16344	1.13030	1.13525	1.13525			
May 23 2017	243.74352	1.16347	1.13033	1.13528	1.13528			
May 24 2017	243.74990	1.16350	1.13036	1.13531	1.13531			
May 25 2017	243.75629	1.16353	1.13039	1.13534	1.13534			
May 26 2017	243.76268	1.16356	1.13042	1.13537	1.13537			
May 27 2017	243.76906	1.16360	1.13044	1.13540	1.13540			
May 28 2017	243.77545	1.16363	1.13047	1.13543	1.13543			
May 29 2017	243.78184	1.16366	1.13050	1.13545	1.13545			
May 30 2017	243.78823	1.16369	1.13053	1.13548	1.13548			
May 31 2017	243.79461	1.16372	1.13056	1.13551	1.13551			
CPI-U (NSA) for:			January 2017	242.839	February 2017	243.603	March 2017	243.801

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):			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	1-1/4% 10-Year TIPS Series D-2020 912828NM8 July 15, 2010 July 15, 2010 September 15, 2010 November 15, 2010
Maturity Date: Ref CPI on Dated Date:			July 15, 2019 213.51819	January 15, 2020 216.24610	February 15, 2040 216.13950	July 15, 2020 218.08532
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.14090	1.12651	1.12706	1.11701	
May 2 2017	243.60939	1.14093	1.12654	1.12709	1.11704	
May 3 2017	243.61577	1.14096	1.12657	1.12712	1.11707	
May 4 2017	243.62216	1.14099	1.12660	1.12715	1.11710	
May 5 2017	243.62855	1.14102	1.12663	1.12718	1.11712	
May 6 2017	243.63494	1.14105	1.12666	1.12721	1.11715	
May 7 2017	243.64132	1.14108	1.12669	1.12724	1.11718	
May 8 2017	243.64771	1.14111	1.12671	1.12727	1.11721	
May 9 2017	243.65410	1.14114	1.12674	1.12730	1.11724	
May 10 2017	243.66048	1.14117	1.12677	1.12733	1.11727	
May 11 2017	243.66687	1.14120	1.12680	1.12736	1.11730	
May 12 2017	243.67326	1.14123	1.12683	1.12739	1.11733	
May 13 2017	243.67965	1.14126	1.12686	1.12742	1.11736	
May 14 2017	243.68603	1.14129	1.12689	1.12745	1.11739	
May 15 2017	243.69242	1.14132	1.12692	1.12748	1.11742	
May 16 2017	243.69881	1.14135	1.12695	1.12751	1.11745	
May 17 2017	243.70519	1.14138	1.12698	1.12754	1.11748	
May 18 2017	243.71158	1.14141	1.12701	1.12757	1.11751	
May 19 2017	243.71797	1.14144	1.12704	1.12760	1.11753	
May 20 2017	243.72435	1.14147	1.12707	1.12763	1.11756	
May 21 2017	243.73074	1.14150	1.12710	1.12765	1.11759	
May 22 2017	243.73713	1.14153	1.12713	1.12768	1.11762	
May 23 2017	243.74352	1.14156	1.12716	1.12771	1.11765	
May 24 2017	243.74990	1.14159	1.12719	1.12774	1.11768	
May 25 2017	243.75629	1.14162	1.12722	1.12777	1.11771	
May 26 2017	243.76268	1.14165	1.12725	1.12780	1.11774	
May 27 2017	243.76906	1.14168	1.12728	1.12783	1.11777	
May 28 2017	243.77545	1.14171	1.12731	1.12786	1.11780	
May 29 2017	243.78184	1.14174	1.12734	1.12789	1.11783	
May 30 2017	243.78823	1.14177	1.12736	1.12792	1.11786	
May 31 2017	243.79461	1.14180	1.12739	1.12795	1.11789	
CPI-U (NSA) for:			January 2017 242.839	February 2017 243.603	March 2017 243.801	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 10-Year TIPS Series A-2022 912828SA9 January 15, 2012 January 31, 2012 March 30, 2012 May 31, 2012
Maturity Date: Ref CPI on Dated Date:			January 15, 2021 218.75255	February 15, 2041 218.99100	July 15, 2021 225.38381	January 15, 2022 226.33474
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.11360	1.11239	1.08084	1.07630	
May 2 2017	243.60939	1.11363	1.11242	1.08086	1.07632	
May 3 2017	243.61577	1.11366	1.11245	1.08089	1.07635	
May 4 2017	243.62216	1.11369	1.11248	1.08092	1.07638	
May 5 2017	243.62855	1.11372	1.11250	1.08095	1.07641	
May 6 2017	243.63494	1.11375	1.11253	1.08098	1.07644	
May 7 2017	243.64132	1.11378	1.11256	1.08101	1.07646	
May 8 2017	243.64771	1.11381	1.11259	1.08103	1.07649	
May 9 2017	243.65410	1.11383	1.11262	1.08106	1.07652	
May 10 2017	243.66048	1.11386	1.11265	1.08109	1.07655	
May 11 2017	243.66687	1.11389	1.11268	1.08112	1.07658	
May 12 2017	243.67326	1.11392	1.11271	1.08115	1.07661	
May 13 2017	243.67965	1.11395	1.11274	1.08118	1.07663	
May 14 2017	243.68603	1.11398	1.11277	1.08120	1.07666	
May 15 2017	243.69242	1.11401	1.11280	1.08123	1.07669	
May 16 2017	243.69881	1.11404	1.11283	1.08126	1.07672	
May 17 2017	243.70519	1.11407	1.11285	1.08129	1.07675	
May 18 2017	243.71158	1.11410	1.11288	1.08132	1.07677	
May 19 2017	243.71797	1.11413	1.11291	1.08135	1.07680	
May 20 2017	243.72435	1.11416	1.11294	1.08137	1.07683	
May 21 2017	243.73074	1.11418	1.11297	1.08140	1.07686	
May 22 2017	243.73713	1.11421	1.11300	1.08143	1.07689	
May 23 2017	243.74352	1.11424	1.11303	1.08146	1.07692	
May 24 2017	243.74990	1.11427	1.11306	1.08149	1.07694	
May 25 2017	243.75629	1.11430	1.11309	1.08152	1.07697	
May 26 2017	243.76268	1.11433	1.11312	1.08154	1.07700	
May 27 2017	243.76906	1.11436	1.11315	1.08157	1.07703	
May 28 2017	243.77545	1.11439	1.11318	1.08160	1.07706	
May 29 2017	243.78184	1.11442	1.11320	1.08163	1.07709	
May 30 2017	243.78823	1.11445	1.11323	1.08166	1.07711	
May 31 2017	243.79461	1.11448	1.11326	1.08169	1.07714	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-1/8% 10-Year TIPS Series D-2022 912828TE0 July 15, 2012 July 31, 2012 September 28, 2012 November 30, 2012	0-1/8% 10-Year TIPS Series A-2023 912828UH1 January 15, 2013 January 31, 2013 March 28, 2013 May 31, 2013	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013
Maturity Date: Ref CPI on Dated Date:			February 15, 2042 225.96062	July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.07808	1.05931	1.05537	1.05955	
May 2 2017	243.60939	1.07811	1.05934	1.05540	1.05958	
May 3 2017	243.61577	1.07813	1.05937	1.05543	1.05961	
May 4 2017	243.62216	1.07816	1.05940	1.05545	1.05964	
May 5 2017	243.62855	1.07819	1.05942	1.05548	1.05966	
May 6 2017	243.63494	1.07822	1.05945	1.05551	1.05969	
May 7 2017	243.64132	1.07825	1.05948	1.05554	1.05972	
May 8 2017	243.64771	1.07828	1.05951	1.05557	1.05975	
May 9 2017	243.65410	1.07830	1.05954	1.05559	1.05978	
May 10 2017	243.66048	1.07833	1.05956	1.05562	1.05980	
May 11 2017	243.66687	1.07836	1.05959	1.05565	1.05983	
May 12 2017	243.67326	1.07839	1.05962	1.05568	1.05986	
May 13 2017	243.67965	1.07842	1.05965	1.05570	1.05989	
May 14 2017	243.68603	1.07844	1.05967	1.05573	1.05991	
May 15 2017	243.69242	1.07847	1.05970	1.05576	1.05994	
May 16 2017	243.69881	1.07850	1.05973	1.05579	1.05997	
May 17 2017	243.70519	1.07853	1.05976	1.05581	1.06000	
May 18 2017	243.71158	1.07856	1.05979	1.05584	1.06003	
May 19 2017	243.71797	1.07859	1.05981	1.05587	1.06005	
May 20 2017	243.72435	1.07861	1.05984	1.05590	1.06008	
May 21 2017	243.73074	1.07864	1.05987	1.05592	1.06011	
May 22 2017	243.73713	1.07867	1.05990	1.05595	1.06014	
May 23 2017	243.74352	1.07870	1.05992	1.05598	1.06016	
May 24 2017	243.74990	1.07873	1.05995	1.05601	1.06019	
May 25 2017	243.75629	1.07876	1.05998	1.05604	1.06022	
May 26 2017	243.76268	1.07878	1.06001	1.05606	1.06025	
May 27 2017	243.76906	1.07881	1.06004	1.05609	1.06028	
May 28 2017	243.77545	1.07884	1.06006	1.05612	1.06030	
May 29 2017	243.78184	1.07887	1.06009	1.05615	1.06033	
May 30 2017	243.78823	1.07890	1.06012	1.05617	1.06036	
May 31 2017	243.79461	1.07893	1.06015	1.05620	1.06039	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			April 15, 2018 231.16013	July 15, 2023 232.71797	January 15, 2024 233.33058	February 15, 2044 233.05900
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.05383	1.04677	1.04403	1.04524	
May 2 2017	243.60939	1.05386	1.04680	1.04405	1.04527	
May 3 2017	243.61577	1.05388	1.04683	1.04408	1.04530	
May 4 2017	243.62216	1.05391	1.04686	1.04411	1.04532	
May 5 2017	243.62855	1.05394	1.04688	1.04413	1.04535	
May 6 2017	243.63494	1.05397	1.04691	1.04416	1.04538	
May 7 2017	243.64132	1.05399	1.04694	1.04419	1.04541	
May 8 2017	243.64771	1.05402	1.04697	1.04422	1.04543	
May 9 2017	243.65410	1.05405	1.04699	1.04424	1.04546	
May 10 2017	243.66048	1.05408	1.04702	1.04427	1.04549	
May 11 2017	243.66687	1.05410	1.04705	1.04430	1.04552	
May 12 2017	243.67326	1.05413	1.04708	1.04433	1.04554	
May 13 2017	243.67965	1.05416	1.04710	1.04435	1.04557	
May 14 2017	243.68603	1.05419	1.04713	1.04438	1.04560	
May 15 2017	243.69242	1.05421	1.04716	1.04441	1.04563	
May 16 2017	243.69881	1.05424	1.04719	1.04444	1.04565	
May 17 2017	243.70519	1.05427	1.04721	1.04446	1.04568	
May 18 2017	243.71158	1.05430	1.04724	1.04449	1.04571	
May 19 2017	243.71797	1.05433	1.04727	1.04452	1.04574	
May 20 2017	243.72435	1.05435	1.04729	1.04455	1.04576	
May 21 2017	243.73074	1.05438	1.04732	1.04457	1.04579	
May 22 2017	243.73713	1.05441	1.04735	1.04460	1.04582	
May 23 2017	243.74352	1.05444	1.04738	1.04463	1.04584	
May 24 2017	243.74990	1.05446	1.04740	1.04465	1.04587	
May 25 2017	243.75629	1.05449	1.04743	1.04468	1.04590	
May 26 2017	243.76268	1.05452	1.04746	1.04471	1.04593	
May 27 2017	243.76906	1.05455	1.04749	1.04474	1.04595	
May 28 2017	243.77545	1.05457	1.04751	1.04476	1.04598	
May 29 2017	243.78184	1.05460	1.04754	1.04479	1.04601	
May 30 2017	243.78823	1.05463	1.04757	1.04482	1.04604	
May 31 2017	243.79461	1.05466	1.04760	1.04485	1.04606	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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:			April 15, 2019 234.31967	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	
May 1 2017	243.60300	1.03962	1.02593	1.02849	1.03449	
May 2 2017	243.60939	1.03965	1.02596	1.02852	1.03452	
May 3 2017	243.61577	1.03967	1.02598	1.02855	1.03454	
May 4 2017	243.62216	1.03970	1.02601	1.02858	1.03457	
May 5 2017	243.62855	1.03973	1.02604	1.02860	1.03460	
May 6 2017	243.63494	1.03975	1.02606	1.02863	1.03462	
May 7 2017	243.64132	1.03978	1.02609	1.02866	1.03465	
May 8 2017	243.64771	1.03981	1.02612	1.02868	1.03468	
May 9 2017	243.65410	1.03984	1.02615	1.02871	1.03471	
May 10 2017	243.66048	1.03986	1.02617	1.02874	1.03473	
May 11 2017	243.66687	1.03989	1.02620	1.02876	1.03476	
May 12 2017	243.67326	1.03992	1.02623	1.02879	1.03479	
May 13 2017	243.67965	1.03995	1.02625	1.02882	1.03481	
May 14 2017	243.68603	1.03997	1.02628	1.02884	1.03484	
May 15 2017	243.69242	1.04000	1.02631	1.02887	1.03487	
May 16 2017	243.69881	1.04003	1.02633	1.02890	1.03490	
May 17 2017	243.70519	1.04005	1.02636	1.02893	1.03492	
May 18 2017	243.71158	1.04008	1.02639	1.02895	1.03495	
May 19 2017	243.71797	1.04011	1.02641	1.02898	1.03498	
May 20 2017	243.72435	1.04014	1.02644	1.02901	1.03500	
May 21 2017	243.73074	1.04016	1.02647	1.02903	1.03503	
May 22 2017	243.73713	1.04019	1.02650	1.02906	1.03506	
May 23 2017	243.74352	1.04022	1.02652	1.02909	1.03509	
May 24 2017	243.74990	1.04025	1.02655	1.02911	1.03511	
May 25 2017	243.75629	1.04027	1.02658	1.02914	1.03514	
May 26 2017	243.76268	1.04030	1.02660	1.02917	1.03517	
May 27 2017	243.76906	1.04033	1.02663	1.02920	1.03519	
May 28 2017	243.77545	1.04035	1.02666	1.02922	1.03522	
May 29 2017	243.78184	1.04038	1.02668	1.02925	1.03525	
May 30 2017	243.78823	1.04041	1.02671	1.02928	1.03528	
May 31 2017	243.79461	1.04044	1.02674	1.02930	1.03530	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			April 15, 2020 234.18067	July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.04024	1.02724	1.02522	1.02810	
May 2 2017	243.60939	1.04026	1.02727	1.02524	1.02813	
May 3 2017	243.61577	1.04029	1.02729	1.02527	1.02816	
May 4 2017	243.62216	1.04032	1.02732	1.02530	1.02818	
May 5 2017	243.62855	1.04034	1.02735	1.02532	1.02821	
May 6 2017	243.63494	1.04037	1.02737	1.02535	1.02824	
May 7 2017	243.64132	1.04040	1.02740	1.02538	1.02826	
May 8 2017	243.64771	1.04043	1.02743	1.02540	1.02829	
May 9 2017	243.65410	1.04045	1.02745	1.02543	1.02832	
May 10 2017	243.66048	1.04048	1.02748	1.02546	1.02834	
May 11 2017	243.66687	1.04051	1.02751	1.02549	1.02837	
May 12 2017	243.67326	1.04054	1.02753	1.02551	1.02840	
May 13 2017	243.67965	1.04056	1.02756	1.02554	1.02843	
May 14 2017	243.68603	1.04059	1.02759	1.02557	1.02845	
May 15 2017	243.69242	1.04062	1.02762	1.02559	1.02848	
May 16 2017	243.69881	1.04064	1.02764	1.02562	1.02851	
May 17 2017	243.70519	1.04067	1.02767	1.02565	1.02853	
May 18 2017	243.71158	1.04070	1.02770	1.02567	1.02856	
May 19 2017	243.71797	1.04073	1.02772	1.02570	1.02859	
May 20 2017	243.72435	1.04075	1.02775	1.02573	1.02861	
May 21 2017	243.73074	1.04078	1.02778	1.02575	1.02864	
May 22 2017	243.73713	1.04081	1.02780	1.02578	1.02867	
May 23 2017	243.74352	1.04084	1.02783	1.02581	1.02869	
May 24 2017	243.74990	1.04086	1.02786	1.02583	1.02872	
May 25 2017	243.75629	1.04089	1.02788	1.02586	1.02875	
May 26 2017	243.76268	1.04092	1.02791	1.02589	1.02878	
May 27 2017	243.76906	1.04094	1.02794	1.02592	1.02880	
May 28 2017	243.77545	1.04097	1.02797	1.02594	1.02883	
May 29 2017	243.78184	1.04100	1.02799	1.02597	1.02886	
May 30 2017	243.78823	1.04103	1.02802	1.02600	1.02888	
May 31 2017	243.79461	1.04105	1.02805	1.02602	1.02891	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2021 912828Q60 April 15, 2016 April 29, 2016 August 31, 2016 December 30, 2016	0-1/8% 10-Year TIPS Series D-2026 912828S50 July 15, 2016 July 29, 2016 September 30, 2016 November 30, 2016	0-3/8% 10-Year TIPS Series A-2027 912828V49 January 15, 2017 January 31, 2017 March 31, 2017	0-7/8% 30-Year TIPS TIPS of February 2047 912810RW0 February 15, 2017 February 28, 2017
Maturity Date: Ref CPI on Dated Date:			April 15, 2021 237.00700	July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2017	243.60300	1.02783	1.01628	1.00846	1.00916	
May 2 2017	243.60939	1.02786	1.01630	1.00849	1.00918	
May 3 2017	243.61577	1.02788	1.01633	1.00851	1.00921	
May 4 2017	243.62216	1.02791	1.01636	1.00854	1.00924	
May 5 2017	243.62855	1.02794	1.01638	1.00857	1.00926	
May 6 2017	243.63494	1.02797	1.01641	1.00859	1.00929	
May 7 2017	243.64132	1.02799	1.01644	1.00862	1.00932	
May 8 2017	243.64771	1.02802	1.01646	1.00865	1.00934	
May 9 2017	243.65410	1.02805	1.01649	1.00867	1.00937	
May 10 2017	243.66048	1.02807	1.01652	1.00870	1.00940	
May 11 2017	243.66687	1.02810	1.01654	1.00873	1.00942	
May 12 2017	243.67326	1.02813	1.01657	1.00875	1.00945	
May 13 2017	243.67965	1.02815	1.01660	1.00878	1.00947	
May 14 2017	243.68603	1.02818	1.01662	1.00880	1.00950	
May 15 2017	243.69242	1.02821	1.01665	1.00883	1.00953	
May 16 2017	243.69881	1.02823	1.01668	1.00886	1.00955	
May 17 2017	243.70519	1.02826	1.01670	1.00888	1.00958	
May 18 2017	243.71158	1.02829	1.01673	1.00891	1.00961	
May 19 2017	243.71797	1.02832	1.01676	1.00894	1.00963	
May 20 2017	243.72435	1.02834	1.01678	1.00896	1.00966	
May 21 2017	243.73074	1.02837	1.01681	1.00899	1.00969	
May 22 2017	243.73713	1.02840	1.01684	1.00902	1.00971	
May 23 2017	243.74352	1.02842	1.01686	1.00904	1.00974	
May 24 2017	243.74990	1.02845	1.01689	1.00907	1.00977	
May 25 2017	243.75629	1.02848	1.01692	1.00910	1.00979	
May 26 2017	243.76268	1.02850	1.01694	1.00912	1.00982	
May 27 2017	243.76906	1.02853	1.01697	1.00915	1.00985	
May 28 2017	243.77545	1.02856	1.01700	1.00917	1.00987	
May 29 2017	243.78184	1.02858	1.01702	1.00920	1.00990	
May 30 2017	243.78823	1.02861	1.01705	1.00923	1.00992	
May 31 2017	243.79461	1.02864	1.01708	1.00925	1.00995	
CPI-U (NSA) for:	January 2017	242.839	February 2017	243.603	March 2017	243.801