

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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		
September 1 2016	241.03800	1.49028	1.46623	1.35796	1.27874		
September 2 2016	241.02497	1.49020	1.46615	1.35789	1.27867		
September 3 2016	241.01193	1.49012	1.46607	1.35781	1.27860		
September 4 2016	240.99890	1.49004	1.46599	1.35774	1.27853		
September 5 2016	240.98587	1.48996	1.46591	1.35767	1.27846		
September 6 2016	240.97283	1.48988	1.46583	1.35759	1.27839		
September 7 2016	240.95980	1.48980	1.46575	1.35752	1.27832		
September 8 2016	240.94677	1.48972	1.46567	1.35745	1.27825		
September 9 2016	240.93373	1.48964	1.46559	1.35737	1.27818		
September 10 2016	240.92070	1.48956	1.46551	1.35730	1.27812		
September 11 2016	240.90767	1.48947	1.46543	1.35723	1.27805		
September 12 2016	240.89463	1.48939	1.46536	1.35715	1.27798		
September 13 2016	240.88160	1.48931	1.46528	1.35708	1.27791		
September 14 2016	240.86857	1.48923	1.46520	1.35701	1.27784		
September 15 2016	240.85553	1.48915	1.46512	1.35693	1.27777		
September 16 2016	240.84250	1.48907	1.46504	1.35686	1.27770		
September 17 2016	240.82947	1.48899	1.46496	1.35679	1.27763		
September 18 2016	240.81643	1.48891	1.46488	1.35671	1.27756		
September 19 2016	240.80340	1.48883	1.46480	1.35664	1.27749		
September 20 2016	240.79037	1.48875	1.46472	1.35657	1.27742		
September 21 2016	240.77733	1.48867	1.46464	1.35649	1.27736		
September 22 2016	240.76430	1.48859	1.46456	1.35642	1.27729		
September 23 2016	240.75127	1.48851	1.46448	1.35635	1.27722		
September 24 2016	240.73823	1.48843	1.46440	1.35627	1.27715		
September 25 2016	240.72520	1.48835	1.46432	1.35620	1.27708		
September 26 2016	240.71217	1.48827	1.46425	1.35612	1.27701		
September 27 2016	240.69913	1.48819	1.46417	1.35605	1.27694		
September 28 2016	240.68610	1.48810	1.46409	1.35598	1.27687		
September 29 2016	240.67307	1.48802	1.46401	1.35590	1.27680		
September 30 2016	240.66003	1.48794	1.46393	1.35583	1.27673		
CPI-U (NSA) for:		May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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% 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	
September 1 2016	241.03800	1.21444	1.19524	1.19524	1.16299	
September 2 2016	241.02497	1.21437	1.19518	1.19518	1.16293	
September 3 2016	241.01193	1.21430	1.19511	1.19511	1.16287	
September 4 2016	240.99890	1.21424	1.19505	1.19505	1.16281	
September 5 2016	240.98587	1.21417	1.19498	1.19498	1.16274	
September 6 2016	240.97283	1.21411	1.19492	1.19492	1.16268	
September 7 2016	240.95980	1.21404	1.19485	1.19485	1.16262	
September 8 2016	240.94677	1.21398	1.19479	1.19479	1.16255	
September 9 2016	240.93373	1.21391	1.19473	1.19473	1.16249	
September 10 2016	240.92070	1.21384	1.19466	1.19466	1.16243	
September 11 2016	240.90767	1.21378	1.19460	1.19460	1.16237	
September 12 2016	240.89463	1.21371	1.19453	1.19453	1.16230	
September 13 2016	240.88160	1.21365	1.19447	1.19447	1.16224	
September 14 2016	240.86857	1.21358	1.19440	1.19440	1.16218	
September 15 2016	240.85553	1.21352	1.19434	1.19434	1.16211	
September 16 2016	240.84250	1.21345	1.19427	1.19427	1.16205	
September 17 2016	240.82947	1.21338	1.19421	1.19421	1.16199	
September 18 2016	240.81643	1.21332	1.19414	1.19414	1.16193	
September 19 2016	240.80340	1.21325	1.19408	1.19408	1.16186	
September 20 2016	240.79037	1.21319	1.19401	1.19401	1.16180	
September 21 2016	240.77733	1.21312	1.19395	1.19395	1.16174	
September 22 2016	240.76430	1.21306	1.19389	1.19389	1.16167	
September 23 2016	240.75127	1.21299	1.19382	1.19382	1.16161	
September 24 2016	240.73823	1.21293	1.19376	1.19376	1.16155	
September 25 2016	240.72520	1.21286	1.19369	1.19369	1.16149	
September 26 2016	240.71217	1.21279	1.19363	1.19363	1.16142	
September 27 2016	240.69913	1.21273	1.19356	1.19356	1.16136	
September 28 2016	240.68610	1.21266	1.19350	1.19350	1.16130	
September 29 2016	240.67307	1.21260	1.19343	1.19343	1.16123	
September 30 2016	240.66003	1.21253	1.19337	1.19337	1.16117	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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	
September 1 2016	241.03800	1.15056	1.15056	1.11778	1.12268	
September 2 2016	241.02497	1.15050	1.15050	1.11772	1.12261	
September 3 2016	241.01193	1.15043	1.15043	1.11766	1.12255	
September 4 2016	240.99890	1.15037	1.15037	1.11760	1.12249	
September 5 2016	240.98587	1.15031	1.15031	1.11754	1.12243	
September 6 2016	240.97283	1.15025	1.15025	1.11748	1.12237	
September 7 2016	240.95980	1.15019	1.15019	1.11742	1.12231	
September 8 2016	240.94677	1.15012	1.15012	1.11736	1.12225	
September 9 2016	240.93373	1.15006	1.15006	1.11730	1.12219	
September 10 2016	240.92070	1.15000	1.15000	1.11724	1.12213	
September 11 2016	240.90767	1.14994	1.14994	1.11718	1.12207	
September 12 2016	240.89463	1.14987	1.14987	1.11711	1.12201	
September 13 2016	240.88160	1.14981	1.14981	1.11705	1.12195	
September 14 2016	240.86857	1.14975	1.14975	1.11699	1.12189	
September 15 2016	240.85553	1.14969	1.14969	1.11693	1.12183	
September 16 2016	240.84250	1.14963	1.14963	1.11687	1.12176	
September 17 2016	240.82947	1.14956	1.14956	1.11681	1.12170	
September 18 2016	240.81643	1.14950	1.14950	1.11675	1.12164	
September 19 2016	240.80340	1.14944	1.14944	1.11669	1.12158	
September 20 2016	240.79037	1.14938	1.14938	1.11663	1.12152	
September 21 2016	240.77733	1.14931	1.14931	1.11657	1.12146	
September 22 2016	240.76430	1.14925	1.14925	1.11651	1.12140	
September 23 2016	240.75127	1.14919	1.14919	1.11645	1.12134	
September 24 2016	240.73823	1.14913	1.14913	1.11639	1.12128	
September 25 2016	240.72520	1.14907	1.14907	1.11633	1.12122	
September 26 2016	240.71217	1.14900	1.14900	1.11627	1.12116	
September 27 2016	240.69913	1.14894	1.14894	1.11621	1.12110	
September 28 2016	240.68610	1.14888	1.14888	1.11615	1.12104	
September 29 2016	240.67307	1.14882	1.14882	1.11609	1.12098	
September 30 2016	240.66003	1.14875	1.14875	1.11603	1.12091	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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	
September 1 2016	241.03800	1.12268	1.12889	1.11465	1.11520	
September 2 2016	241.02497	1.12261	1.12883	1.11459	1.11514	
September 3 2016	241.01193	1.12255	1.12877	1.11453	1.11508	
September 4 2016	240.99890	1.12249	1.12870	1.11447	1.11502	
September 5 2016	240.98587	1.12243	1.12864	1.11441	1.11496	
September 6 2016	240.97283	1.12237	1.12858	1.11435	1.11489	
September 7 2016	240.95980	1.12231	1.12852	1.11429	1.11483	
September 8 2016	240.94677	1.12225	1.12846	1.11422	1.11477	
September 9 2016	240.93373	1.12219	1.12840	1.11416	1.11471	
September 10 2016	240.92070	1.12213	1.12834	1.11410	1.11465	
September 11 2016	240.90767	1.12207	1.12828	1.11404	1.11459	
September 12 2016	240.89463	1.12201	1.12822	1.11398	1.11453	
September 13 2016	240.88160	1.12195	1.12815	1.11392	1.11447	
September 14 2016	240.86857	1.12189	1.12809	1.11386	1.11441	
September 15 2016	240.85553	1.12183	1.12803	1.11380	1.11435	
September 16 2016	240.84250	1.12176	1.12797	1.11374	1.11429	
September 17 2016	240.82947	1.12170	1.12791	1.11368	1.11423	
September 18 2016	240.81643	1.12164	1.12785	1.11362	1.11417	
September 19 2016	240.80340	1.12158	1.12779	1.11356	1.11411	
September 20 2016	240.79037	1.12152	1.12773	1.11350	1.11405	
September 21 2016	240.77733	1.12146	1.12767	1.11344	1.11399	
September 22 2016	240.76430	1.12140	1.12761	1.11338	1.11393	
September 23 2016	240.75127	1.12134	1.12754	1.11332	1.11387	
September 24 2016	240.73823	1.12128	1.12748	1.11326	1.11381	
September 25 2016	240.72520	1.12122	1.12742	1.11320	1.11375	
September 26 2016	240.71217	1.12116	1.12736	1.11314	1.11369	
September 27 2016	240.69913	1.12110	1.12730	1.11308	1.11363	
September 28 2016	240.68610	1.12104	1.12724	1.11302	1.11357	
September 29 2016	240.67307	1.12098	1.12718	1.11296	1.11351	
September 30 2016	240.66003	1.12091	1.12712	1.11290	1.11345	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

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):			1-1/4% 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	
September 1 2016	241.03800	1.10525	1.10188	1.10068	1.06946	
September 2 2016	241.02497	1.10519	1.10182	1.10062	1.06940	
September 3 2016	241.01193	1.10513	1.10176	1.10056	1.06934	
September 4 2016	240.99890	1.10507	1.10170	1.10050	1.06928	
September 5 2016	240.98587	1.10501	1.10164	1.10044	1.06922	
September 6 2016	240.97283	1.10495	1.10158	1.10038	1.06917	
September 7 2016	240.95980	1.10489	1.10152	1.10032	1.06911	
September 8 2016	240.94677	1.10483	1.10146	1.10026	1.06905	
September 9 2016	240.93373	1.10477	1.10140	1.10020	1.06899	
September 10 2016	240.92070	1.10471	1.10134	1.10014	1.06894	
September 11 2016	240.90767	1.10465	1.10128	1.10008	1.06888	
September 12 2016	240.89463	1.10459	1.10122	1.10002	1.06882	
September 13 2016	240.88160	1.10453	1.10116	1.09996	1.06876	
September 14 2016	240.86857	1.10447	1.10110	1.09990	1.06870	
September 15 2016	240.85553	1.10441	1.10104	1.09984	1.06865	
September 16 2016	240.84250	1.10435	1.10098	1.09978	1.06859	
September 17 2016	240.82947	1.10429	1.10092	1.09972	1.06853	
September 18 2016	240.81643	1.10423	1.10086	1.09966	1.06847	
September 19 2016	240.80340	1.10417	1.10080	1.09960	1.06841	
September 20 2016	240.79037	1.10411	1.10074	1.09954	1.06836	
September 21 2016	240.77733	1.10405	1.10068	1.09949	1.06830	
September 22 2016	240.76430	1.10399	1.10062	1.09943	1.06824	
September 23 2016	240.75127	1.10393	1.10056	1.09937	1.06818	
September 24 2016	240.73823	1.10387	1.10050	1.09931	1.06813	
September 25 2016	240.72520	1.10381	1.10045	1.09925	1.06807	
September 26 2016	240.71217	1.10375	1.10039	1.09919	1.06801	
September 27 2016	240.69913	1.10369	1.10033	1.09913	1.06795	
September 28 2016	240.68610	1.10363	1.10027	1.09907	1.06789	
September 29 2016	240.67307	1.10357	1.10021	1.09901	1.06784	
September 30 2016	240.66003	1.10351	1.10015	1.09895	1.06778	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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 January 31, 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	
September 1 2016	241.03800	1.06496	1.06673	1.06123	1.04816	
September 2 2016	241.02497	1.06490	1.06667	1.06117	1.04810	
September 3 2016	241.01193	1.06485	1.06661	1.06112	1.04805	
September 4 2016	240.99890	1.06479	1.06655	1.06106	1.04799	
September 5 2016	240.98587	1.06473	1.06649	1.06100	1.04793	
September 6 2016	240.97283	1.06467	1.06644	1.06094	1.04788	
September 7 2016	240.95980	1.06462	1.06638	1.06089	1.04782	
September 8 2016	240.94677	1.06456	1.06632	1.06083	1.04776	
September 9 2016	240.93373	1.06450	1.06626	1.06077	1.04771	
September 10 2016	240.92070	1.06444	1.06621	1.06071	1.04765	
September 11 2016	240.90767	1.06439	1.06615	1.06066	1.04759	
September 12 2016	240.89463	1.06433	1.06609	1.06060	1.04754	
September 13 2016	240.88160	1.06427	1.06603	1.06054	1.04748	
September 14 2016	240.86857	1.06421	1.06598	1.06048	1.04742	
September 15 2016	240.85553	1.06416	1.06592	1.06043	1.04737	
September 16 2016	240.84250	1.06410	1.06586	1.06037	1.04731	
September 17 2016	240.82947	1.06404	1.06580	1.06031	1.04725	
September 18 2016	240.81643	1.06398	1.06575	1.06025	1.04720	
September 19 2016	240.80340	1.06393	1.06569	1.06020	1.04714	
September 20 2016	240.79037	1.06387	1.06563	1.06014	1.04708	
September 21 2016	240.77733	1.06381	1.06557	1.06008	1.04703	
September 22 2016	240.76430	1.06375	1.06551	1.06003	1.04697	
September 23 2016	240.75127	1.06370	1.06546	1.05997	1.04691	
September 24 2016	240.73823	1.06364	1.06540	1.05991	1.04686	
September 25 2016	240.72520	1.06358	1.06534	1.05985	1.04680	
September 26 2016	240.71217	1.06352	1.06528	1.05980	1.04674	
September 27 2016	240.69913	1.06347	1.06523	1.05974	1.04669	
September 28 2016	240.68610	1.06341	1.06517	1.05968	1.04663	
September 29 2016	240.67307	1.06335	1.06511	1.05962	1.04657	
September 30 2016	240.66003	1.06329	1.06505	1.05957	1.04652	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

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Ref CPI and Index Ratios for
September 2016

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	
September 1 2016	241.03800	1.04426	1.04840	1.04273	1.03575	
September 2 2016	241.02497	1.04420	1.04834	1.04268	1.03570	
September 3 2016	241.01193	1.04415	1.04828	1.04262	1.03564	
September 4 2016	240.99890	1.04409	1.04823	1.04256	1.03558	
September 5 2016	240.98587	1.04403	1.04817	1.04251	1.03553	
September 6 2016	240.97283	1.04398	1.04811	1.04245	1.03547	
September 7 2016	240.95980	1.04392	1.04806	1.04239	1.03542	
September 8 2016	240.94677	1.04386	1.04800	1.04234	1.03536	
September 9 2016	240.93373	1.04381	1.04794	1.04228	1.03530	
September 10 2016	240.92070	1.04375	1.04789	1.04222	1.03525	
September 11 2016	240.90767	1.04369	1.04783	1.04217	1.03519	
September 12 2016	240.89463	1.04364	1.04777	1.04211	1.03514	
September 13 2016	240.88160	1.04358	1.04772	1.04206	1.03508	
September 14 2016	240.86857	1.04353	1.04766	1.04200	1.03502	
September 15 2016	240.85553	1.04347	1.04760	1.04194	1.03497	
September 16 2016	240.84250	1.04341	1.04755	1.04189	1.03491	
September 17 2016	240.82947	1.04336	1.04749	1.04183	1.03486	
September 18 2016	240.81643	1.04330	1.04743	1.04177	1.03480	
September 19 2016	240.80340	1.04324	1.04738	1.04172	1.03474	
September 20 2016	240.79037	1.04319	1.04732	1.04166	1.03469	
September 21 2016	240.77733	1.04313	1.04726	1.04160	1.03463	
September 22 2016	240.76430	1.04307	1.04721	1.04155	1.03458	
September 23 2016	240.75127	1.04302	1.04715	1.04149	1.03452	
September 24 2016	240.73823	1.04296	1.04709	1.04143	1.03446	
September 25 2016	240.72520	1.04290	1.04704	1.04138	1.03441	
September 26 2016	240.71217	1.04285	1.04698	1.04132	1.03435	
September 27 2016	240.69913	1.04279	1.04692	1.04127	1.03430	
September 28 2016	240.68610	1.04273	1.04687	1.04121	1.03424	
September 29 2016	240.67307	1.04268	1.04681	1.04115	1.03418	
September 30 2016	240.66003	1.04262	1.04675	1.04110	1.03413	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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	
September 1 2016	241.03800	1.03303	1.03424	1.02867	1.01513	
September 2 2016	241.02497	1.03298	1.03418	1.02862	1.01507	
September 3 2016	241.01193	1.03292	1.03412	1.02856	1.01502	
September 4 2016	240.99890	1.03286	1.03407	1.02850	1.01496	
September 5 2016	240.98587	1.03281	1.03401	1.02845	1.01491	
September 6 2016	240.97283	1.03275	1.03396	1.02839	1.01485	
September 7 2016	240.95980	1.03270	1.03390	1.02834	1.01480	
September 8 2016	240.94677	1.03264	1.03384	1.02828	1.01474	
September 9 2016	240.93373	1.03259	1.03379	1.02823	1.01469	
September 10 2016	240.92070	1.03253	1.03373	1.02817	1.01463	
September 11 2016	240.90767	1.03247	1.03368	1.02812	1.01458	
September 12 2016	240.89463	1.03242	1.03362	1.02806	1.01452	
September 13 2016	240.88160	1.03236	1.03356	1.02800	1.01447	
September 14 2016	240.86857	1.03231	1.03351	1.02795	1.01441	
September 15 2016	240.85553	1.03225	1.03345	1.02789	1.01436	
September 16 2016	240.84250	1.03219	1.03340	1.02784	1.01430	
September 17 2016	240.82947	1.03214	1.03334	1.02778	1.01425	
September 18 2016	240.81643	1.03208	1.03329	1.02773	1.01419	
September 19 2016	240.80340	1.03203	1.03323	1.02767	1.01414	
September 20 2016	240.79037	1.03197	1.03317	1.02761	1.01409	
September 21 2016	240.77733	1.03192	1.03312	1.02756	1.01403	
September 22 2016	240.76430	1.03186	1.03306	1.02750	1.01398	
September 23 2016	240.75127	1.03180	1.03301	1.02745	1.01392	
September 24 2016	240.73823	1.03175	1.03295	1.02739	1.01387	
September 25 2016	240.72520	1.03169	1.03289	1.02734	1.01381	
September 26 2016	240.71217	1.03164	1.03284	1.02728	1.01376	
September 27 2016	240.69913	1.03158	1.03278	1.02723	1.01370	
September 28 2016	240.68610	1.03152	1.03273	1.02717	1.01365	
September 29 2016	240.67307	1.03147	1.03267	1.02711	1.01359	
September 30 2016	240.66003	1.03141	1.03261	1.02706	1.01354	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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 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	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	
September 1 2016	241.03800	1.01766	1.02360	1.02928	1.01642	
September 2 2016	241.02497	1.01761	1.02354	1.02923	1.01637	
September 3 2016	241.01193	1.01755	1.02349	1.02917	1.01631	
September 4 2016	240.99890	1.01750	1.02343	1.02912	1.01626	
September 5 2016	240.98587	1.01744	1.02337	1.02906	1.01620	
September 6 2016	240.97283	1.01739	1.02332	1.02900	1.01615	
September 7 2016	240.95980	1.01733	1.02326	1.02895	1.01609	
September 8 2016	240.94677	1.01728	1.02321	1.02889	1.01604	
September 9 2016	240.93373	1.01722	1.02315	1.02884	1.01598	
September 10 2016	240.92070	1.01717	1.02310	1.02878	1.01593	
September 11 2016	240.90767	1.01711	1.02304	1.02873	1.01587	
September 12 2016	240.89463	1.01706	1.02299	1.02867	1.01582	
September 13 2016	240.88160	1.01700	1.02293	1.02861	1.01576	
September 14 2016	240.86857	1.01695	1.02288	1.02856	1.01571	
September 15 2016	240.85553	1.01689	1.02282	1.02850	1.01565	
September 16 2016	240.84250	1.01684	1.02277	1.02845	1.01560	
September 17 2016	240.82947	1.01678	1.02271	1.02839	1.01554	
September 18 2016	240.81643	1.01673	1.02266	1.02834	1.01549	
September 19 2016	240.80340	1.01667	1.02260	1.02828	1.01543	
September 20 2016	240.79037	1.01662	1.02254	1.02822	1.01538	
September 21 2016	240.77733	1.01656	1.02249	1.02817	1.01532	
September 22 2016	240.76430	1.01651	1.02243	1.02811	1.01527	
September 23 2016	240.75127	1.01645	1.02238	1.02806	1.01521	
September 24 2016	240.73823	1.01640	1.02232	1.02800	1.01516	
September 25 2016	240.72520	1.01634	1.02227	1.02795	1.01510	
September 26 2016	240.71217	1.01629	1.02221	1.02789	1.01505	
September 27 2016	240.69913	1.01623	1.02216	1.02784	1.01499	
September 28 2016	240.68610	1.01618	1.02210	1.02778	1.01494	
September 29 2016	240.67307	1.01612	1.02205	1.02772	1.01488	
September 30 2016	240.66003	1.01607	1.02199	1.02767	1.01483	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 2016

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	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
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	
September 1 2016	241.03800	1.01442	1.01728	1.01701	1.00558	
September 2 2016	241.02497	1.01437	1.01722	1.01695	1.00552	
September 3 2016	241.01193	1.01431	1.01717	1.01690	1.00547	
September 4 2016	240.99890	1.01426	1.01711	1.01684	1.00541	
September 5 2016	240.98587	1.01420	1.01706	1.01679	1.00536	
September 6 2016	240.97283	1.01415	1.01700	1.01673	1.00530	
September 7 2016	240.95980	1.01409	1.01695	1.01668	1.00525	
September 8 2016	240.94677	1.01404	1.01689	1.01662	1.00520	
September 9 2016	240.93373	1.01398	1.01684	1.01657	1.00514	
September 10 2016	240.92070	1.01393	1.01678	1.01651	1.00509	
September 11 2016	240.90767	1.01387	1.01673	1.01646	1.00503	
September 12 2016	240.89463	1.01382	1.01667	1.01640	1.00498	
September 13 2016	240.88160	1.01376	1.01662	1.01635	1.00492	
September 14 2016	240.86857	1.01371	1.01656	1.01629	1.00487	
September 15 2016	240.85553	1.01365	1.01651	1.01624	1.00482	
September 16 2016	240.84250	1.01360	1.01645	1.01618	1.00476	
September 17 2016	240.82947	1.01354	1.01640	1.01613	1.00471	
September 18 2016	240.81643	1.01349	1.01634	1.01607	1.00465	
September 19 2016	240.80340	1.01343	1.01629	1.01602	1.00460	
September 20 2016	240.79037	1.01338	1.01623	1.01596	1.00454	
September 21 2016	240.77733	1.01332	1.01618	1.01591	1.00449	
September 22 2016	240.76430	1.01327	1.01612	1.01585	1.00443	
September 23 2016	240.75127	1.01321	1.01607	1.01580	1.00438	
September 24 2016	240.73823	1.01316	1.01601	1.01574	1.00433	
September 25 2016	240.72520	1.01311	1.01596	1.01569	1.00427	
September 26 2016	240.71217	1.01305	1.01590	1.01563	1.00422	
September 27 2016	240.69913	1.01300	1.01585	1.01558	1.00416	
September 28 2016	240.68610	1.01294	1.01579	1.01552	1.00411	
September 29 2016	240.67307	1.01289	1.01574	1.01547	1.00405	
September 30 2016	240.66003	1.01283	1.01568	1.01541	1.00400	
CPI-U (NSA) for:	May 2016	240.236	June 2016	241.038	July 2016	240.647