

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 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	
September 1 2017	244.95500	1.51450	1.49005	1.38003	1.29952	
September 2 2017	244.94937	1.51446	1.49002	1.38000	1.29949	
September 3 2017	244.94373	1.51443	1.48999	1.37996	1.29946	
September 4 2017	244.93810	1.51439	1.48995	1.37993	1.29943	
September 5 2017	244.93247	1.51436	1.48992	1.37990	1.29940	
September 6 2017	244.92683	1.51432	1.48988	1.37987	1.29937	
September 7 2017	244.92120	1.51429	1.48985	1.37984	1.29934	
September 8 2017	244.91557	1.51425	1.48981	1.37981	1.29931	
September 9 2017	244.90993	1.51422	1.48978	1.37977	1.29928	
September 10 2017	244.90430	1.51419	1.48975	1.37974	1.29925	
September 11 2017	244.89867	1.51415	1.48971	1.37971	1.29922	
September 12 2017	244.89303	1.51412	1.48968	1.37968	1.29919	
September 13 2017	244.88740	1.51408	1.48964	1.37965	1.29916	
September 14 2017	244.88177	1.51405	1.48961	1.37962	1.29913	
September 15 2017	244.87613	1.51401	1.48957	1.37958	1.29910	
September 16 2017	244.87050	1.51398	1.48954	1.37955	1.29907	
September 17 2017	244.86487	1.51394	1.48951	1.37952	1.29904	
September 18 2017	244.85923	1.51391	1.48947	1.37949	1.29901	
September 19 2017	244.85360	1.51387	1.48944	1.37946	1.29898	
September 20 2017	244.84797	1.51384	1.48940	1.37943	1.29895	
September 21 2017	244.84233	1.51380	1.48937	1.37939	1.29892	
September 22 2017	244.83670	1.51377	1.48933	1.37936	1.29889	
September 23 2017	244.83107	1.51373	1.48930	1.37933	1.29886	
September 24 2017	244.82543	1.51370	1.48927	1.37930	1.29883	
September 25 2017	244.81980	1.51366	1.48923	1.37927	1.29880	
September 26 2017	244.81417	1.51363	1.48920	1.37923	1.29877	
September 27 2017	244.80853	1.51359	1.48916	1.37920	1.29874	
September 28 2017	244.80290	1.51356	1.48913	1.37917	1.29871	
September 29 2017	244.79727	1.51352	1.48909	1.37914	1.29868	
September 30 2017	244.79163	1.51349	1.48906	1.37911	1.29865	
CPI-U (NSA) for:			May 2017 244.733	June 2017 244.955	July 2017 244.786	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
September 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	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2027 201.66452	January 15, 2018 209.49645	January 15, 2028 209.49645
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.23417	1.21467	1.16926	1.16926	
September 2 2017	244.94937	1.23414	1.21464	1.16923	1.16923	
September 3 2017	244.94373	1.23411	1.21461	1.16920	1.16920	
September 4 2017	244.93810	1.23409	1.21458	1.16918	1.16918	
September 5 2017	244.93247	1.23406	1.21455	1.16915	1.16915	
September 6 2017	244.92683	1.23403	1.21453	1.16912	1.16912	
September 7 2017	244.92120	1.23400	1.21450	1.16909	1.16909	
September 8 2017	244.91557	1.23397	1.21447	1.16907	1.16907	
September 9 2017	244.90993	1.23394	1.21444	1.16904	1.16904	
September 10 2017	244.90430	1.23392	1.21441	1.16901	1.16901	
September 11 2017	244.89867	1.23389	1.21439	1.16899	1.16899	
September 12 2017	244.89303	1.23386	1.21436	1.16896	1.16896	
September 13 2017	244.88740	1.23383	1.21433	1.16893	1.16893	
September 14 2017	244.88177	1.23380	1.21430	1.16891	1.16891	
September 15 2017	244.87613	1.23377	1.21427	1.16888	1.16888	
September 16 2017	244.87050	1.23374	1.21425	1.16885	1.16885	
September 17 2017	244.86487	1.23372	1.21422	1.16883	1.16883	
September 18 2017	244.85923	1.23369	1.21419	1.16880	1.16880	
September 19 2017	244.85360	1.23366	1.21416	1.16877	1.16877	
September 20 2017	244.84797	1.23363	1.21414	1.16875	1.16875	
September 21 2017	244.84233	1.23360	1.21411	1.16872	1.16872	
September 22 2017	244.83670	1.23357	1.21408	1.16869	1.16869	
September 23 2017	244.83107	1.23355	1.21405	1.16866	1.16866	
September 24 2017	244.82543	1.23352	1.21402	1.16864	1.16864	
September 25 2017	244.81980	1.23349	1.21400	1.16861	1.16861	
September 26 2017	244.81417	1.23346	1.21397	1.16858	1.16858	
September 27 2017	244.80853	1.23343	1.21394	1.16856	1.16856	
September 28 2017	244.80290	1.23340	1.21391	1.16853	1.16853	
September 29 2017	244.79727	1.23338	1.21388	1.16850	1.16850	
September 30 2017	244.79163	1.23335	1.21386	1.16848	1.16848	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	1-7/8% 10-Year TIPS Series D-2019 912828LA6 July 15, 2009 July 15, 2009 October 15, 2009
Maturity Date: Ref CPI on Dated Date:			July 15, 2018 215.63997	January 15, 2019 214.69971	January 15, 2029 214.69971	July 15, 2019 213.51819
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.13594	1.14092	1.14092	1.14723	
September 2 2017	244.94937	1.13592	1.14089	1.14089	1.14721	
September 3 2017	244.94373	1.13589	1.14087	1.14087	1.14718	
September 4 2017	244.93810	1.13587	1.14084	1.14084	1.14715	
September 5 2017	244.93247	1.13584	1.14081	1.14081	1.14713	
September 6 2017	244.92683	1.13581	1.14079	1.14079	1.14710	
September 7 2017	244.92120	1.13579	1.14076	1.14076	1.14707	
September 8 2017	244.91557	1.13576	1.14074	1.14074	1.14705	
September 9 2017	244.90993	1.13574	1.14071	1.14071	1.14702	
September 10 2017	244.90430	1.13571	1.14068	1.14068	1.14700	
September 11 2017	244.89867	1.13568	1.14066	1.14066	1.14697	
September 12 2017	244.89303	1.13566	1.14063	1.14063	1.14694	
September 13 2017	244.88740	1.13563	1.14060	1.14060	1.14692	
September 14 2017	244.88177	1.13560	1.14058	1.14058	1.14689	
September 15 2017	244.87613	1.13558	1.14055	1.14055	1.14686	
September 16 2017	244.87050	1.13555	1.14053	1.14053	1.14684	
September 17 2017	244.86487	1.13553	1.14050	1.14050	1.14681	
September 18 2017	244.85923	1.13550	1.14047	1.14047	1.14678	
September 19 2017	244.85360	1.13547	1.14045	1.14045	1.14676	
September 20 2017	244.84797	1.13545	1.14042	1.14042	1.14673	
September 21 2017	244.84233	1.13542	1.14039	1.14039	1.14670	
September 22 2017	244.83670	1.13540	1.14037	1.14037	1.14668	
September 23 2017	244.83107	1.13537	1.14034	1.14034	1.14665	
September 24 2017	244.82543	1.13534	1.14032	1.14032	1.14663	
September 25 2017	244.81980	1.13532	1.14029	1.14029	1.14660	
September 26 2017	244.81417	1.13529	1.14026	1.14026	1.14657	
September 27 2017	244.80853	1.13527	1.14024	1.14024	1.14655	
September 28 2017	244.80290	1.13524	1.14021	1.14021	1.14652	
September 29 2017	244.79727	1.13521	1.14018	1.14018	1.14649	
September 30 2017	244.79163	1.13519	1.14016	1.14016	1.14647	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	1-1/8% 10-Year TIPS Series A-2021 912828PP9 January 15, 2011 January 31, 2011 March 31, 2011 May 31, 2011
Maturity Date: Ref CPI on Dated Date:			January 15, 2020 216.24610	February 15, 2040 216.13950	July 15, 2020 218.08532	January 15, 2021 218.75255
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.13276	1.13332	1.12321	1.11978	
September 2 2017	244.94937	1.13273	1.13329	1.12318	1.11976	
September 3 2017	244.94373	1.13271	1.13327	1.12316	1.11973	
September 4 2017	244.93810	1.13268	1.13324	1.12313	1.11970	
September 5 2017	244.93247	1.13266	1.13321	1.12310	1.11968	
September 6 2017	244.92683	1.13263	1.13319	1.12308	1.11965	
September 7 2017	244.92120	1.13260	1.13316	1.12305	1.11963	
September 8 2017	244.91557	1.13258	1.13314	1.12303	1.11960	
September 9 2017	244.90993	1.13255	1.13311	1.12300	1.11958	
September 10 2017	244.90430	1.13253	1.13308	1.12297	1.11955	
September 11 2017	244.89867	1.13250	1.13306	1.12295	1.11952	
September 12 2017	244.89303	1.13247	1.13303	1.12292	1.11950	
September 13 2017	244.88740	1.13245	1.13301	1.12290	1.11947	
September 14 2017	244.88177	1.13242	1.13298	1.12287	1.11945	
September 15 2017	244.87613	1.13240	1.13295	1.12285	1.11942	
September 16 2017	244.87050	1.13237	1.13293	1.12282	1.11939	
September 17 2017	244.86487	1.13234	1.13290	1.12279	1.11937	
September 18 2017	244.85923	1.13232	1.13288	1.12277	1.11934	
September 19 2017	244.85360	1.13229	1.13285	1.12274	1.11932	
September 20 2017	244.84797	1.13227	1.13282	1.12272	1.11929	
September 21 2017	244.84233	1.13224	1.13280	1.12269	1.11927	
September 22 2017	244.83670	1.13221	1.13277	1.12266	1.11924	
September 23 2017	244.83107	1.13219	1.13275	1.12264	1.11921	
September 24 2017	244.82543	1.13216	1.13272	1.12261	1.11919	
September 25 2017	244.81980	1.13214	1.13269	1.12259	1.11916	
September 26 2017	244.81417	1.13211	1.13267	1.12256	1.11914	
September 27 2017	244.80853	1.13208	1.13264	1.12254	1.11911	
September 28 2017	244.80290	1.13206	1.13262	1.12251	1.11909	
September 29 2017	244.79727	1.13203	1.13259	1.12248	1.11906	
September 30 2017	244.79163	1.13200	1.13256	1.12246	1.11903	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012
Maturity Date: Ref CPI on Dated Date:			February 15, 2041 218.99100	July 15, 2021 225.38381	January 15, 2022 226.33474	February 15, 2042 225.96062
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.11856	1.08683	1.08227	1.08406	
September 2 2017	244.94937	1.11854	1.08681	1.08224	1.08404	
September 3 2017	244.94373	1.11851	1.08678	1.08222	1.08401	
September 4 2017	244.93810	1.11848	1.08676	1.08219	1.08399	
September 5 2017	244.93247	1.11846	1.08673	1.08217	1.08396	
September 6 2017	244.92683	1.11843	1.08671	1.08214	1.08394	
September 7 2017	244.92120	1.11841	1.08668	1.08212	1.08391	
September 8 2017	244.91557	1.11838	1.08666	1.08209	1.08389	
September 9 2017	244.90993	1.11836	1.08663	1.08207	1.08386	
September 10 2017	244.90430	1.11833	1.08661	1.08204	1.08384	
September 11 2017	244.89867	1.11830	1.08659	1.08202	1.08381	
September 12 2017	244.89303	1.11828	1.08656	1.08199	1.08379	
September 13 2017	244.88740	1.11825	1.08654	1.08197	1.08376	
September 14 2017	244.88177	1.11823	1.08651	1.08195	1.08374	
September 15 2017	244.87613	1.11820	1.08649	1.08192	1.08371	
September 16 2017	244.87050	1.11818	1.08646	1.08190	1.08369	
September 17 2017	244.86487	1.11815	1.08644	1.08187	1.08366	
September 18 2017	244.85923	1.11812	1.08641	1.08185	1.08364	
September 19 2017	244.85360	1.11810	1.08639	1.08182	1.08361	
September 20 2017	244.84797	1.11807	1.08636	1.08180	1.08359	
September 21 2017	244.84233	1.11805	1.08634	1.08177	1.08356	
September 22 2017	244.83670	1.11802	1.08631	1.08175	1.08354	
September 23 2017	244.83107	1.11800	1.08629	1.08172	1.08351	
September 24 2017	244.82543	1.11797	1.08626	1.08170	1.08349	
September 25 2017	244.81980	1.11794	1.08624	1.08167	1.08346	
September 26 2017	244.81417	1.11792	1.08621	1.08165	1.08344	
September 27 2017	244.80853	1.11789	1.08619	1.08162	1.08341	
September 28 2017	244.80290	1.11787	1.08616	1.08160	1.08339	
September 29 2017	244.79727	1.11784	1.08614	1.08157	1.08336	
September 30 2017	244.79163	1.11782	1.08611	1.08155	1.08334	
CPI-U (NSA) for:			May 2017 244.733	June 2017 244.955	July 2017 244.786	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 5-Year TIPS Series X-2018 912828UX6 April 15, 2013 April 30, 2013 August 30, 2013 December 31, 2013
Maturity Date: Ref CPI on Dated Date:			July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100	April 15, 2018 231.16013
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.06519	1.06123	1.06543	1.05968	
September 2 2017	244.94937	1.06517	1.06120	1.06541	1.05965	
September 3 2017	244.94373	1.06514	1.06118	1.06538	1.05963	
September 4 2017	244.93810	1.06512	1.06116	1.06536	1.05960	
September 5 2017	244.93247	1.06509	1.06113	1.06534	1.05958	
September 6 2017	244.92683	1.06507	1.06111	1.06531	1.05955	
September 7 2017	244.92120	1.06505	1.06108	1.06529	1.05953	
September 8 2017	244.91557	1.06502	1.06106	1.06526	1.05951	
September 9 2017	244.90993	1.06500	1.06103	1.06524	1.05948	
September 10 2017	244.90430	1.06497	1.06101	1.06521	1.05946	
September 11 2017	244.89867	1.06495	1.06098	1.06519	1.05943	
September 12 2017	244.89303	1.06492	1.06096	1.06516	1.05941	
September 13 2017	244.88740	1.06490	1.06094	1.06514	1.05938	
September 14 2017	244.88177	1.06487	1.06091	1.06512	1.05936	
September 15 2017	244.87613	1.06485	1.06089	1.06509	1.05934	
September 16 2017	244.87050	1.06483	1.06086	1.06507	1.05931	
September 17 2017	244.86487	1.06480	1.06084	1.06504	1.05929	
September 18 2017	244.85923	1.06478	1.06081	1.06502	1.05926	
September 19 2017	244.85360	1.06475	1.06079	1.06499	1.05924	
September 20 2017	244.84797	1.06473	1.06077	1.06497	1.05921	
September 21 2017	244.84233	1.06470	1.06074	1.06494	1.05919	
September 22 2017	244.83670	1.06468	1.06072	1.06492	1.05916	
September 23 2017	244.83107	1.06465	1.06069	1.06489	1.05914	
September 24 2017	244.82543	1.06463	1.06067	1.06487	1.05912	
September 25 2017	244.81980	1.06460	1.06064	1.06485	1.05909	
September 26 2017	244.81417	1.06458	1.06062	1.06482	1.05907	
September 27 2017	244.80853	1.06456	1.06059	1.06480	1.05904	
September 28 2017	244.80290	1.06453	1.06057	1.06477	1.05902	
September 29 2017	244.79727	1.06451	1.06055	1.06475	1.05899	
September 30 2017	244.79163	1.06448	1.06052	1.06472	1.05897	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 5-Year TIPS Series X-2019 912828C99 April 15, 2014 April 30, 2014 August 29, 2014 December 31, 2014
Maturity Date: Ref CPI on Dated Date:			July 15, 2023 232.71797	January 15, 2024 233.33058	February 15, 2044 233.05900	April 15, 2019 234.31967
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.05258	1.04982	1.05104	1.04539	
September 2 2017	244.94937	1.05256	1.04980	1.05102	1.04536	
September 3 2017	244.94373	1.05253	1.04977	1.05099	1.04534	
September 4 2017	244.93810	1.05251	1.04975	1.05097	1.04532	
September 5 2017	244.93247	1.05249	1.04972	1.05095	1.04529	
September 6 2017	244.92683	1.05246	1.04970	1.05092	1.04527	
September 7 2017	244.92120	1.05244	1.04967	1.05090	1.04524	
September 8 2017	244.91557	1.05241	1.04965	1.05087	1.04522	
September 9 2017	244.90993	1.05239	1.04963	1.05085	1.04520	
September 10 2017	244.90430	1.05237	1.04960	1.05083	1.04517	
September 11 2017	244.89867	1.05234	1.04958	1.05080	1.04515	
September 12 2017	244.89303	1.05232	1.04955	1.05078	1.04512	
September 13 2017	244.88740	1.05229	1.04953	1.05075	1.04510	
September 14 2017	244.88177	1.05227	1.04951	1.05073	1.04508	
September 15 2017	244.87613	1.05224	1.04948	1.05070	1.04505	
September 16 2017	244.87050	1.05222	1.04946	1.05068	1.04503	
September 17 2017	244.86487	1.05220	1.04943	1.05066	1.04500	
September 18 2017	244.85923	1.05217	1.04941	1.05063	1.04498	
September 19 2017	244.85360	1.05215	1.04938	1.05061	1.04496	
September 20 2017	244.84797	1.05212	1.04936	1.05058	1.04493	
September 21 2017	244.84233	1.05210	1.04934	1.05056	1.04491	
September 22 2017	244.83670	1.05207	1.04931	1.05054	1.04488	
September 23 2017	244.83107	1.05205	1.04929	1.05051	1.04486	
September 24 2017	244.82543	1.05203	1.04926	1.05049	1.04484	
September 25 2017	244.81980	1.05200	1.04924	1.05046	1.04481	
September 26 2017	244.81417	1.05198	1.04922	1.05044	1.04479	
September 27 2017	244.80853	1.05195	1.04919	1.05041	1.04476	
September 28 2017	244.80290	1.05193	1.04917	1.05039	1.04474	
September 29 2017	244.79727	1.05191	1.04914	1.05037	1.04471	
September 30 2017	244.79163	1.05188	1.04912	1.05034	1.04469	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 5-Year TIPS Series X-2020 912828K33 April 15, 2015 April 30, 2015 August 31, 2015 December 31, 2015
Maturity Date: Ref CPI on Dated Date:			July 15, 2024 237.44594	January 15, 2025 236.85403	February 15, 2045 235.48150	April 15, 2020 234.18067
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.03162	1.03420	1.04023	1.04601	
September 2 2017	244.94937	1.03160	1.03418	1.04021	1.04598	
September 3 2017	244.94373	1.03158	1.03415	1.04018	1.04596	
September 4 2017	244.93810	1.03155	1.03413	1.04016	1.04594	
September 5 2017	244.93247	1.03153	1.03411	1.04013	1.04591	
September 6 2017	244.92683	1.03151	1.03408	1.04011	1.04589	
September 7 2017	244.92120	1.03148	1.03406	1.04009	1.04586	
September 8 2017	244.91557	1.03146	1.03404	1.04006	1.04584	
September 9 2017	244.90993	1.03143	1.03401	1.04004	1.04582	
September 10 2017	244.90430	1.03141	1.03399	1.04002	1.04579	
September 11 2017	244.89867	1.03139	1.03396	1.03999	1.04577	
September 12 2017	244.89303	1.03136	1.03394	1.03997	1.04574	
September 13 2017	244.88740	1.03134	1.03392	1.03994	1.04572	
September 14 2017	244.88177	1.03132	1.03389	1.03992	1.04570	
September 15 2017	244.87613	1.03129	1.03387	1.03990	1.04567	
September 16 2017	244.87050	1.03127	1.03385	1.03987	1.04565	
September 17 2017	244.86487	1.03124	1.03382	1.03985	1.04562	
September 18 2017	244.85923	1.03122	1.03380	1.03982	1.04560	
September 19 2017	244.85360	1.03120	1.03377	1.03980	1.04558	
September 20 2017	244.84797	1.03117	1.03375	1.03978	1.04555	
September 21 2017	244.84233	1.03115	1.03373	1.03975	1.04553	
September 22 2017	244.83670	1.03113	1.03370	1.03973	1.04550	
September 23 2017	244.83107	1.03110	1.03368	1.03970	1.04548	
September 24 2017	244.82543	1.03108	1.03366	1.03968	1.04546	
September 25 2017	244.81980	1.03105	1.03363	1.03966	1.04543	
September 26 2017	244.81417	1.03103	1.03361	1.03963	1.04541	
September 27 2017	244.80853	1.03101	1.03358	1.03961	1.04538	
September 28 2017	244.80290	1.03098	1.03356	1.03958	1.04536	
September 29 2017	244.79727	1.03096	1.03354	1.03956	1.04534	
September 30 2017	244.79163	1.03094	1.03351	1.03954	1.04531	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

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% 5-Year TIPS Series X-2021 912828Q60 April 15, 2016 April 29, 2016 August 31, 2016 December 30, 2016
Maturity Date: Ref CPI on Dated Date:			July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448	April 15, 2021 237.00700
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.03294	1.03091	1.03381	1.03353	
September 2 2017	244.94937	1.03292	1.03088	1.03378	1.03351	
September 3 2017	244.94373	1.03289	1.03086	1.03376	1.03349	
September 4 2017	244.93810	1.03287	1.03084	1.03374	1.03346	
September 5 2017	244.93247	1.03284	1.03081	1.03371	1.03344	
September 6 2017	244.92683	1.03282	1.03079	1.03369	1.03342	
September 7 2017	244.92120	1.03280	1.03076	1.03366	1.03339	
September 8 2017	244.91557	1.03277	1.03074	1.03364	1.03337	
September 9 2017	244.90993	1.03275	1.03072	1.03362	1.03334	
September 10 2017	244.90430	1.03273	1.03069	1.03359	1.03332	
September 11 2017	244.89867	1.03270	1.03067	1.03357	1.03330	
September 12 2017	244.89303	1.03268	1.03065	1.03355	1.03327	
September 13 2017	244.88740	1.03265	1.03062	1.03352	1.03325	
September 14 2017	244.88177	1.03263	1.03060	1.03350	1.03323	
September 15 2017	244.87613	1.03261	1.03057	1.03347	1.03320	
September 16 2017	244.87050	1.03258	1.03055	1.03345	1.03318	
September 17 2017	244.86487	1.03256	1.03053	1.03343	1.03315	
September 18 2017	244.85923	1.03254	1.03050	1.03340	1.03313	
September 19 2017	244.85360	1.03251	1.03048	1.03338	1.03311	
September 20 2017	244.84797	1.03249	1.03046	1.03336	1.03308	
September 21 2017	244.84233	1.03246	1.03043	1.03333	1.03306	
September 22 2017	244.83670	1.03244	1.03041	1.03331	1.03304	
September 23 2017	244.83107	1.03242	1.03038	1.03328	1.03301	
September 24 2017	244.82543	1.03239	1.03036	1.03326	1.03299	
September 25 2017	244.81980	1.03237	1.03034	1.03324	1.03296	
September 26 2017	244.81417	1.03235	1.03031	1.03321	1.03294	
September 27 2017	244.80853	1.03232	1.03029	1.03319	1.03292	
September 28 2017	244.80290	1.03230	1.03027	1.03317	1.03289	
September 29 2017	244.79727	1.03227	1.03024	1.03314	1.03287	
September 30 2017	244.79163	1.03225	1.03022	1.03312	1.03285	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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 May 31, 2017	0-7/8% 30-Year TIPS TIPS of February 2047 912810RW0 February 15, 2017 February 28, 2017 June 30, 2017	0-1/8% 5-Year TIPS Series X-2022 912828X39 April 15, 2017 April 28, 2017
Maturity Date: Ref CPI on Dated Date:			July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250	April 15, 2022 243.19553
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
September 1 2017	244.95500	1.02192	1.01406	1.01476	1.00723	
September 2 2017	244.94937	1.02189	1.01403	1.01473	1.00721	
September 3 2017	244.94373	1.02187	1.01401	1.01471	1.00719	
September 4 2017	244.93810	1.02185	1.01399	1.01469	1.00717	
September 5 2017	244.93247	1.02182	1.01396	1.01466	1.00714	
September 6 2017	244.92683	1.02180	1.01394	1.01464	1.00712	
September 7 2017	244.92120	1.02178	1.01392	1.01462	1.00710	
September 8 2017	244.91557	1.02175	1.01389	1.01459	1.00707	
September 9 2017	244.90993	1.02173	1.01387	1.01457	1.00705	
September 10 2017	244.90430	1.02171	1.01385	1.01455	1.00703	
September 11 2017	244.89867	1.02168	1.01382	1.01452	1.00700	
September 12 2017	244.89303	1.02166	1.01380	1.01450	1.00698	
September 13 2017	244.88740	1.02164	1.01378	1.01448	1.00696	
September 14 2017	244.88177	1.02161	1.01375	1.01445	1.00693	
September 15 2017	244.87613	1.02159	1.01373	1.01443	1.00691	
September 16 2017	244.87050	1.02157	1.01371	1.01441	1.00689	
September 17 2017	244.86487	1.02154	1.01368	1.01438	1.00686	
September 18 2017	244.85923	1.02152	1.01366	1.01436	1.00684	
September 19 2017	244.85360	1.02149	1.01364	1.01434	1.00682	
September 20 2017	244.84797	1.02147	1.01361	1.01431	1.00679	
September 21 2017	244.84233	1.02145	1.01359	1.01429	1.00677	
September 22 2017	244.83670	1.02142	1.01357	1.01427	1.00675	
September 23 2017	244.83107	1.02140	1.01354	1.01424	1.00673	
September 24 2017	244.82543	1.02138	1.01352	1.01422	1.00670	
September 25 2017	244.81980	1.02135	1.01350	1.01420	1.00668	
September 26 2017	244.81417	1.02133	1.01347	1.01417	1.00666	
September 27 2017	244.80853	1.02131	1.01345	1.01415	1.00663	
September 28 2017	244.80290	1.02128	1.01343	1.01413	1.00661	
September 29 2017	244.79727	1.02126	1.01340	1.01410	1.00659	
September 30 2017	244.79163	1.02124	1.01338	1.01408	1.00656	
CPI-U (NSA) for:	May 2017	244.733	June 2017	244.955	July 2017	244.786

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): Maturity Date: Ref CPI on Dated Date:			0-3/8% 10-Year TIPS Series D-2027 9128282L3 July 15, 2017 July 31, 2017 July 15, 2027 244.61839					
Date			Ref CPI		Index Ratio			
September	1	2017	244.95500	1.00138				
September	2	2017	244.94937	1.00135				
September	3	2017	244.94373	1.00133				
September	4	2017	244.93810	1.00131				
September	5	2017	244.93247	1.00128				
September	6	2017	244.92683	1.00126				
September	7	2017	244.92120	1.00124				
September	8	2017	244.91557	1.00121				
September	9	2017	244.90993	1.00119				
September	10	2017	244.90430	1.00117				
September	11	2017	244.89867	1.00115				
September	12	2017	244.89303	1.00112				
September	13	2017	244.88740	1.00110				
September	14	2017	244.88177	1.00108				
September	15	2017	244.87613	1.00105				
September	16	2017	244.87050	1.00103				
September	17	2017	244.86487	1.00101				
September	18	2017	244.85923	1.00098				
September	19	2017	244.85360	1.00096				
September	20	2017	244.84797	1.00094				
September	21	2017	244.84233	1.00092				
September	22	2017	244.83670	1.00089				
September	23	2017	244.83107	1.00087				
September	24	2017	244.82543	1.00085				
September	25	2017	244.81980	1.00082				
September	26	2017	244.81417	1.00080				
September	27	2017	244.80853	1.00078				
September	28	2017	244.80290	1.00075				
September	29	2017	244.79727	1.00073				
September	30	2017	244.79163	1.00071				
CPI-U (NSA) for:			May 2017	244.733	June 2017	244.955	July 2017	244.786