

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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	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	
August	1	2016	240.23600	1.48532	1.46135	1.35344	1.27448	
August	2	2016	240.26187	1.48548	1.46151	1.35359	1.27462	
August	3	2016	240.28774	1.48564	1.46166	1.35373	1.27476	
August	4	2016	240.31361	1.48580	1.46182	1.35388	1.27490	
August	5	2016	240.33948	1.48596	1.46198	1.35403	1.27503	
August	6	2016	240.36535	1.48612	1.46214	1.35417	1.27517	
August	7	2016	240.39123	1.48628	1.46229	1.35432	1.27531	
August	8	2016	240.41710	1.48644	1.46245	1.35446	1.27544	
August	9	2016	240.44297	1.48660	1.46261	1.35461	1.27558	
August	10	2016	240.46884	1.48676	1.46277	1.35475	1.27572	
August	11	2016	240.49471	1.48692	1.46292	1.35490	1.27586	
August	12	2016	240.52058	1.48708	1.46308	1.35505	1.27599	
August	13	2016	240.54645	1.48724	1.46324	1.35519	1.27613	
August	14	2016	240.57232	1.48740	1.46339	1.35534	1.27627	
August	15	2016	240.59819	1.48756	1.46355	1.35548	1.27640	
August	16	2016	240.62406	1.48772	1.46371	1.35563	1.27654	
August	17	2016	240.64994	1.48788	1.46387	1.35577	1.27668	
August	18	2016	240.67581	1.48804	1.46402	1.35592	1.27682	
August	19	2016	240.70168	1.48820	1.46418	1.35607	1.27695	
August	20	2016	240.72755	1.48836	1.46434	1.35621	1.27709	
August	21	2016	240.75342	1.48852	1.46450	1.35636	1.27723	
August	22	2016	240.77929	1.48868	1.46465	1.35650	1.27737	
August	23	2016	240.80516	1.48884	1.46481	1.35665	1.27750	
August	24	2016	240.83103	1.48900	1.46497	1.35679	1.27764	
August	25	2016	240.85690	1.48916	1.46513	1.35694	1.27778	
August	26	2016	240.88277	1.48932	1.46528	1.35709	1.27791	
August	27	2016	240.90865	1.48948	1.46544	1.35723	1.27805	
August	28	2016	240.93452	1.48964	1.46560	1.35738	1.27819	
August	29	2016	240.96039	1.48980	1.46576	1.35752	1.27833	
August	30	2016	240.98626	1.48996	1.46591	1.35767	1.27846	
August	31	2016	241.01213	1.49012	1.46607	1.35781	1.27860	
CPI-U (NSA) for:			April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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 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	
August 1 2016	240.23600	1.21039	1.19127	1.19127	1.15912	
August 2 2016	240.26187	1.21052	1.19139	1.19139	1.15925	
August 3 2016	240.28774	1.21066	1.19152	1.19152	1.15937	
August 4 2016	240.31361	1.21079	1.19165	1.19165	1.15950	
August 5 2016	240.33948	1.21092	1.19178	1.19178	1.15962	
August 6 2016	240.36535	1.21105	1.19191	1.19191	1.15975	
August 7 2016	240.39123	1.21118	1.19204	1.19204	1.15987	
August 8 2016	240.41710	1.21131	1.19216	1.19216	1.16000	
August 9 2016	240.44297	1.21144	1.19229	1.19229	1.16012	
August 10 2016	240.46884	1.21157	1.19242	1.19242	1.16025	
August 11 2016	240.49471	1.21170	1.19255	1.19255	1.16037	
August 12 2016	240.52058	1.21183	1.19268	1.19268	1.16050	
August 13 2016	240.54645	1.21196	1.19281	1.19281	1.16062	
August 14 2016	240.57232	1.21209	1.19293	1.19293	1.16075	
August 15 2016	240.59819	1.21222	1.19306	1.19306	1.16087	
August 16 2016	240.62406	1.21235	1.19319	1.19319	1.16100	
August 17 2016	240.64994	1.21248	1.19332	1.19332	1.16112	
August 18 2016	240.67581	1.21261	1.19345	1.19345	1.16125	
August 19 2016	240.70168	1.21274	1.19357	1.19357	1.16137	
August 20 2016	240.72755	1.21287	1.19370	1.19370	1.16150	
August 21 2016	240.75342	1.21300	1.19383	1.19383	1.16162	
August 22 2016	240.77929	1.21313	1.19396	1.19396	1.16175	
August 23 2016	240.80516	1.21326	1.19409	1.19409	1.16187	
August 24 2016	240.83103	1.21339	1.19422	1.19422	1.16200	
August 25 2016	240.85690	1.21352	1.19434	1.19434	1.16212	
August 26 2016	240.88277	1.21365	1.19447	1.19447	1.16225	
August 27 2016	240.90865	1.21378	1.19460	1.19460	1.16237	
August 28 2016	240.93452	1.21391	1.19473	1.19473	1.16250	
August 29 2016	240.96039	1.21404	1.19486	1.19486	1.16262	
August 30 2016	240.98626	1.21417	1.19499	1.19499	1.16274	
August 31 2016	241.01213	1.21431	1.19511	1.19511	1.16287	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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	
August 1 2016	240.23600	1.14673	1.14673	1.11406	1.11894	
August 2 2016	240.26187	1.14685	1.14685	1.11418	1.11906	
August 3 2016	240.28774	1.14698	1.14698	1.11430	1.11918	
August 4 2016	240.31361	1.14710	1.14710	1.11442	1.11930	
August 5 2016	240.33948	1.14722	1.14722	1.11454	1.11942	
August 6 2016	240.36535	1.14735	1.14735	1.11466	1.11954	
August 7 2016	240.39123	1.14747	1.14747	1.11478	1.11966	
August 8 2016	240.41710	1.14760	1.14760	1.11490	1.11978	
August 9 2016	240.44297	1.14772	1.14772	1.11502	1.11990	
August 10 2016	240.46884	1.14784	1.14784	1.11514	1.12002	
August 11 2016	240.49471	1.14797	1.14797	1.11526	1.12014	
August 12 2016	240.52058	1.14809	1.14809	1.11538	1.12027	
August 13 2016	240.54645	1.14821	1.14821	1.11550	1.12039	
August 14 2016	240.57232	1.14834	1.14834	1.11562	1.12051	
August 15 2016	240.59819	1.14846	1.14846	1.11574	1.12063	
August 16 2016	240.62406	1.14858	1.14858	1.11586	1.12075	
August 17 2016	240.64994	1.14871	1.14871	1.11598	1.12087	
August 18 2016	240.67581	1.14883	1.14883	1.11610	1.12099	
August 19 2016	240.70168	1.14895	1.14895	1.11622	1.12111	
August 20 2016	240.72755	1.14908	1.14908	1.11634	1.12123	
August 21 2016	240.75342	1.14920	1.14920	1.11646	1.12135	
August 22 2016	240.77929	1.14932	1.14932	1.11658	1.12147	
August 23 2016	240.80516	1.14945	1.14945	1.11670	1.12159	
August 24 2016	240.83103	1.14957	1.14957	1.11682	1.12171	
August 25 2016	240.85690	1.14969	1.14969	1.11694	1.12183	
August 26 2016	240.88277	1.14982	1.14982	1.11706	1.12195	
August 27 2016	240.90865	1.14994	1.14994	1.11718	1.12207	
August 28 2016	240.93452	1.15006	1.15006	1.11730	1.12219	
August 29 2016	240.96039	1.15019	1.15019	1.11742	1.12231	
August 30 2016	240.98626	1.15031	1.15031	1.11754	1.12243	
August 31 2016	241.01213	1.15044	1.15044	1.11766	1.12255	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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
August	1	2016	240.23600	1.11894	1.12513	1.11094	1.11149
August	2	2016	240.26187	1.11906	1.12525	1.11106	1.11161
August	3	2016	240.28774	1.11918	1.12537	1.11118	1.11173
August	4	2016	240.31361	1.11930	1.12549	1.11130	1.11184
August	5	2016	240.33948	1.11942	1.12562	1.11142	1.11196
August	6	2016	240.36535	1.11954	1.12574	1.11154	1.11208
August	7	2016	240.39123	1.11966	1.12586	1.11166	1.11220
August	8	2016	240.41710	1.11978	1.12598	1.11178	1.11232
August	9	2016	240.44297	1.11990	1.12610	1.11190	1.11244
August	10	2016	240.46884	1.12002	1.12622	1.11201	1.11256
August	11	2016	240.49471	1.12014	1.12634	1.11213	1.11268
August	12	2016	240.52058	1.12027	1.12646	1.11225	1.11280
August	13	2016	240.54645	1.12039	1.12659	1.11237	1.11292
August	14	2016	240.57232	1.12051	1.12671	1.11249	1.11304
August	15	2016	240.59819	1.12063	1.12683	1.11261	1.11316
August	16	2016	240.62406	1.12075	1.12695	1.11273	1.11328
August	17	2016	240.64994	1.12087	1.12707	1.11285	1.11340
August	18	2016	240.67581	1.12099	1.12719	1.11297	1.11352
August	19	2016	240.70168	1.12111	1.12731	1.11309	1.11364
August	20	2016	240.72755	1.12123	1.12743	1.11321	1.11376
August	21	2016	240.75342	1.12135	1.12755	1.11333	1.11388
August	22	2016	240.77929	1.12147	1.12768	1.11345	1.11400
August	23	2016	240.80516	1.12159	1.12780	1.11357	1.11412
August	24	2016	240.83103	1.12171	1.12792	1.11369	1.11424
August	25	2016	240.85690	1.12183	1.12804	1.11381	1.11436
August	26	2016	240.88277	1.12195	1.12816	1.11393	1.11448
August	27	2016	240.90865	1.12207	1.12828	1.11405	1.11460
August	28	2016	240.93452	1.12219	1.12840	1.11417	1.11472
August	29	2016	240.96039	1.12231	1.12852	1.11429	1.11484
August	30	2016	240.98626	1.12243	1.12865	1.11441	1.11496
August	31	2016	241.01213	1.12255	1.12877	1.11453	1.11508
CPI-U (NSA) for:			April 2016 239.261	May 2016 240.236	June 2016 241.038		

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

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	
August 1 2016	240.23600	1.10157	1.09821	1.09701	1.06590	
August 2 2016	240.26187	1.10169	1.09833	1.09713	1.06601	
August 3 2016	240.28774	1.10181	1.09845	1.09725	1.06613	
August 4 2016	240.31361	1.10192	1.09856	1.09737	1.06624	
August 5 2016	240.33948	1.10204	1.09868	1.09749	1.06636	
August 6 2016	240.36535	1.10216	1.09880	1.09760	1.06647	
August 7 2016	240.39123	1.10228	1.09892	1.09772	1.06659	
August 8 2016	240.41710	1.10240	1.09904	1.09784	1.06670	
August 9 2016	240.44297	1.10252	1.09916	1.09796	1.06682	
August 10 2016	240.46884	1.10264	1.09927	1.09808	1.06693	
August 11 2016	240.49471	1.10276	1.09939	1.09819	1.06705	
August 12 2016	240.52058	1.10287	1.09951	1.09831	1.06716	
August 13 2016	240.54645	1.10299	1.09963	1.09843	1.06727	
August 14 2016	240.57232	1.10311	1.09975	1.09855	1.06739	
August 15 2016	240.59819	1.10323	1.09986	1.09867	1.06750	
August 16 2016	240.62406	1.10335	1.09998	1.09879	1.06762	
August 17 2016	240.64994	1.10347	1.10010	1.09890	1.06773	
August 18 2016	240.67581	1.10359	1.10022	1.09902	1.06785	
August 19 2016	240.70168	1.10370	1.10034	1.09914	1.06796	
August 20 2016	240.72755	1.10382	1.10046	1.09926	1.06808	
August 21 2016	240.75342	1.10394	1.10057	1.09938	1.06819	
August 22 2016	240.77929	1.10406	1.10069	1.09949	1.06831	
August 23 2016	240.80516	1.10418	1.10081	1.09961	1.06842	
August 24 2016	240.83103	1.10430	1.10093	1.09973	1.06854	
August 25 2016	240.85690	1.10442	1.10105	1.09985	1.06865	
August 26 2016	240.88277	1.10453	1.10117	1.09997	1.06877	
August 27 2016	240.90865	1.10465	1.10128	1.10008	1.06888	
August 28 2016	240.93452	1.10477	1.10140	1.10020	1.06900	
August 29 2016	240.96039	1.10489	1.10152	1.10032	1.06911	
August 30 2016	240.98626	1.10501	1.10164	1.10044	1.06923	
August 31 2016	241.01213	1.10513	1.10176	1.10056	1.06934	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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	
August 1 2016	240.23600	1.06142	1.06318	1.05770	1.04467	
August 2 2016	240.26187	1.06153	1.06329	1.05781	1.04478	
August 3 2016	240.28774	1.06165	1.06341	1.05793	1.04490	
August 4 2016	240.31361	1.06176	1.06352	1.05804	1.04501	
August 5 2016	240.33948	1.06188	1.06363	1.05815	1.04512	
August 6 2016	240.36535	1.06199	1.06375	1.05827	1.04523	
August 7 2016	240.39123	1.06210	1.06386	1.05838	1.04535	
August 8 2016	240.41710	1.06222	1.06398	1.05850	1.04546	
August 9 2016	240.44297	1.06233	1.06409	1.05861	1.04557	
August 10 2016	240.46884	1.06245	1.06421	1.05872	1.04568	
August 11 2016	240.49471	1.06256	1.06432	1.05884	1.04580	
August 12 2016	240.52058	1.06268	1.06444	1.05895	1.04591	
August 13 2016	240.54645	1.06279	1.06455	1.05907	1.04602	
August 14 2016	240.57232	1.06290	1.06466	1.05918	1.04613	
August 15 2016	240.59819	1.06302	1.06478	1.05929	1.04625	
August 16 2016	240.62406	1.06313	1.06489	1.05941	1.04636	
August 17 2016	240.64994	1.06325	1.06501	1.05952	1.04647	
August 18 2016	240.67581	1.06336	1.06512	1.05964	1.04658	
August 19 2016	240.70168	1.06348	1.06524	1.05975	1.04670	
August 20 2016	240.72755	1.06359	1.06535	1.05986	1.04681	
August 21 2016	240.75342	1.06371	1.06547	1.05998	1.04692	
August 22 2016	240.77929	1.06382	1.06558	1.06009	1.04703	
August 23 2016	240.80516	1.06393	1.06570	1.06021	1.04715	
August 24 2016	240.83103	1.06405	1.06581	1.06032	1.04726	
August 25 2016	240.85690	1.06416	1.06592	1.06043	1.04737	
August 26 2016	240.88277	1.06428	1.06604	1.06055	1.04748	
August 27 2016	240.90865	1.06439	1.06615	1.06066	1.04760	
August 28 2016	240.93452	1.06451	1.06627	1.06077	1.04771	
August 29 2016	240.96039	1.06462	1.06638	1.06089	1.04782	
August 30 2016	240.98626	1.06473	1.06650	1.06100	1.04793	
August 31 2016	241.01213	1.06485	1.06661	1.06112	1.04805	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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	
August 1 2016	240.23600	1.04078	1.04491	1.03926	1.03231	
August 2 2016	240.26187	1.04090	1.04502	1.03937	1.03242	
August 3 2016	240.28774	1.04101	1.04513	1.03949	1.03253	
August 4 2016	240.31361	1.04112	1.04525	1.03960	1.03264	
August 5 2016	240.33948	1.04123	1.04536	1.03971	1.03275	
August 6 2016	240.36535	1.04134	1.04547	1.03982	1.03286	
August 7 2016	240.39123	1.04146	1.04558	1.03993	1.03297	
August 8 2016	240.41710	1.04157	1.04570	1.04005	1.03308	
August 9 2016	240.44297	1.04168	1.04581	1.04016	1.03319	
August 10 2016	240.46884	1.04179	1.04592	1.04027	1.03331	
August 11 2016	240.49471	1.04191	1.04603	1.04038	1.03342	
August 12 2016	240.52058	1.04202	1.04615	1.04049	1.03353	
August 13 2016	240.54645	1.04213	1.04626	1.04061	1.03364	
August 14 2016	240.57232	1.04224	1.04637	1.04072	1.03375	
August 15 2016	240.59819	1.04235	1.04648	1.04083	1.03386	
August 16 2016	240.62406	1.04247	1.04660	1.04094	1.03397	
August 17 2016	240.64994	1.04258	1.04671	1.04105	1.03408	
August 18 2016	240.67581	1.04269	1.04682	1.04116	1.03420	
August 19 2016	240.70168	1.04280	1.04693	1.04128	1.03431	
August 20 2016	240.72755	1.04291	1.04705	1.04139	1.03442	
August 21 2016	240.75342	1.04303	1.04716	1.04150	1.03453	
August 22 2016	240.77929	1.04314	1.04727	1.04161	1.03464	
August 23 2016	240.80516	1.04325	1.04738	1.04172	1.03475	
August 24 2016	240.83103	1.04336	1.04750	1.04184	1.03486	
August 25 2016	240.85690	1.04347	1.04761	1.04195	1.03497	
August 26 2016	240.88277	1.04359	1.04772	1.04206	1.03508	
August 27 2016	240.90865	1.04370	1.04783	1.04217	1.03520	
August 28 2016	240.93452	1.04381	1.04795	1.04228	1.03531	
August 29 2016	240.96039	1.04392	1.04806	1.04240	1.03542	
August 30 2016	240.98626	1.04403	1.04817	1.04251	1.03553	
August 31 2016	241.01213	1.04415	1.04828	1.04262	1.03564	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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	
August 1 2016	240.23600	1.02960	1.03079	1.02525	1.01175	
August 2 2016	240.26187	1.02971	1.03091	1.02536	1.01186	
August 3 2016	240.28774	1.02982	1.03102	1.02547	1.01197	
August 4 2016	240.31361	1.02993	1.03113	1.02558	1.01208	
August 5 2016	240.33948	1.03004	1.03124	1.02569	1.01219	
August 6 2016	240.36535	1.03015	1.03135	1.02580	1.01230	
August 7 2016	240.39123	1.03026	1.03146	1.02591	1.01240	
August 8 2016	240.41710	1.03037	1.03157	1.02602	1.01251	
August 9 2016	240.44297	1.03048	1.03168	1.02613	1.01262	
August 10 2016	240.46884	1.03059	1.03179	1.02624	1.01273	
August 11 2016	240.49471	1.03070	1.03190	1.02635	1.01284	
August 12 2016	240.52058	1.03081	1.03202	1.02646	1.01295	
August 13 2016	240.54645	1.03093	1.03213	1.02657	1.01306	
August 14 2016	240.57232	1.03104	1.03224	1.02668	1.01317	
August 15 2016	240.59819	1.03115	1.03235	1.02679	1.01328	
August 16 2016	240.62406	1.03126	1.03246	1.02691	1.01338	
August 17 2016	240.64994	1.03137	1.03257	1.02702	1.01349	
August 18 2016	240.67581	1.03148	1.03268	1.02713	1.01360	
August 19 2016	240.70168	1.03159	1.03279	1.02724	1.01371	
August 20 2016	240.72755	1.03170	1.03290	1.02735	1.01382	
August 21 2016	240.75342	1.03181	1.03301	1.02746	1.01393	
August 22 2016	240.77929	1.03192	1.03313	1.02757	1.01404	
August 23 2016	240.80516	1.03203	1.03324	1.02768	1.01415	
August 24 2016	240.83103	1.03215	1.03335	1.02779	1.01426	
August 25 2016	240.85690	1.03226	1.03346	1.02790	1.01437	
August 26 2016	240.88277	1.03237	1.03357	1.02801	1.01447	
August 27 2016	240.90865	1.03248	1.03368	1.02812	1.01458	
August 28 2016	240.93452	1.03259	1.03379	1.02823	1.01469	
August 29 2016	240.96039	1.03270	1.03390	1.02834	1.01480	
August 30 2016	240.98626	1.03281	1.03401	1.02845	1.01491	
August 31 2016	241.01213	1.03292	1.03412	1.02856	1.01502	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
August 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 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	
August 1 2016	240.23600	1.01428	1.02019	1.02586	1.01304	
August 2 2016	240.26187	1.01439	1.02030	1.02597	1.01315	
August 3 2016	240.28774	1.01450	1.02041	1.02608	1.01326	
August 4 2016	240.31361	1.01461	1.02052	1.02619	1.01337	
August 5 2016	240.33948	1.01472	1.02063	1.02630	1.01348	
August 6 2016	240.36535	1.01482	1.02074	1.02641	1.01359	
August 7 2016	240.39123	1.01493	1.02085	1.02652	1.01369	
August 8 2016	240.41710	1.01504	1.02096	1.02663	1.01380	
August 9 2016	240.44297	1.01515	1.02107	1.02674	1.01391	
August 10 2016	240.46884	1.01526	1.02118	1.02685	1.01402	
August 11 2016	240.49471	1.01537	1.02129	1.02696	1.01413	
August 12 2016	240.52058	1.01548	1.02140	1.02707	1.01424	
August 13 2016	240.54645	1.01559	1.02151	1.02718	1.01435	
August 14 2016	240.57232	1.01570	1.02162	1.02729	1.01446	
August 15 2016	240.59819	1.01581	1.02173	1.02740	1.01457	
August 16 2016	240.62406	1.01592	1.02184	1.02751	1.01468	
August 17 2016	240.64994	1.01603	1.02195	1.02763	1.01479	
August 18 2016	240.67581	1.01614	1.02206	1.02774	1.01489	
August 19 2016	240.70168	1.01624	1.02217	1.02785	1.01500	
August 20 2016	240.72755	1.01635	1.02228	1.02796	1.01511	
August 21 2016	240.75342	1.01646	1.02239	1.02807	1.01522	
August 22 2016	240.77929	1.01657	1.02250	1.02818	1.01533	
August 23 2016	240.80516	1.01668	1.02261	1.02829	1.01544	
August 24 2016	240.83103	1.01679	1.02272	1.02840	1.01555	
August 25 2016	240.85690	1.01690	1.02283	1.02851	1.01566	
August 26 2016	240.88277	1.01701	1.02294	1.02862	1.01577	
August 27 2016	240.90865	1.01712	1.02305	1.02873	1.01588	
August 28 2016	240.93452	1.01723	1.02316	1.02884	1.01599	
August 29 2016	240.96039	1.01734	1.02327	1.02895	1.01609	
August 30 2016	240.98626	1.01745	1.02338	1.02906	1.01620	
August 31 2016	241.01213	1.01756	1.02349	1.02917	1.01631	
CPI-U (NSA) for:	April 2016	239.261	May 2016	240.236	June 2016	241.038

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	0-1/8% 5-Year TIPS Series X-2021 912828Q60 April 15, 2016 April 29, 2016	
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 237.61129	February 15, 2046 236.94448	April 15, 2021 237.00700	
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio		
August 1 2016	240.23600	1.01105	1.01389	1.01362		
August 2 2016	240.26187	1.01116	1.01400	1.01373		
August 3 2016	240.28774	1.01126	1.01411	1.01384		
August 4 2016	240.31361	1.01137	1.01422	1.01395		
August 5 2016	240.33948	1.01148	1.01433	1.01406		
August 6 2016	240.36535	1.01159	1.01444	1.01417		
August 7 2016	240.39123	1.01170	1.01455	1.01428		
August 8 2016	240.41710	1.01181	1.01466	1.01439		
August 9 2016	240.44297	1.01192	1.01477	1.01450		
August 10 2016	240.46884	1.01203	1.01487	1.01461		
August 11 2016	240.49471	1.01214	1.01498	1.01472		
August 12 2016	240.52058	1.01224	1.01509	1.01482		
August 13 2016	240.54645	1.01235	1.01520	1.01493		
August 14 2016	240.57232	1.01246	1.01531	1.01504		
August 15 2016	240.59819	1.01257	1.01542	1.01515		
August 16 2016	240.62406	1.01268	1.01553	1.01526		
August 17 2016	240.64994	1.01279	1.01564	1.01537		
August 18 2016	240.67581	1.01290	1.01575	1.01548		
August 19 2016	240.70168	1.01301	1.01586	1.01559		
August 20 2016	240.72755	1.01311	1.01597	1.01570		
August 21 2016	240.75342	1.01322	1.01608	1.01581		
August 22 2016	240.77929	1.01333	1.01618	1.01592		
August 23 2016	240.80516	1.01344	1.01629	1.01603		
August 24 2016	240.83103	1.01355	1.01640	1.01613		
August 25 2016	240.85690	1.01366	1.01651	1.01624		
August 26 2016	240.88277	1.01377	1.01662	1.01635		
August 27 2016	240.90865	1.01388	1.01673	1.01646		
August 28 2016	240.93452	1.01399	1.01684	1.01657		
August 29 2016	240.96039	1.01409	1.01695	1.01668		
August 30 2016	240.98626	1.01420	1.01706	1.01679		
August 31 2016	241.01213	1.01431	1.01717	1.01690		
CPI-U (NSA) for:			April 2016 239.261	May 2016 240.236	June 2016 241.038	