

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
November 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	
November 1 2017	245.51900	1.51799	1.49349	1.38321	1.30251	
November 2 2017	245.56233	1.51825	1.49375	1.38345	1.30274	
November 3 2017	245.60567	1.51852	1.49401	1.38369	1.30297	
November 4 2017	245.64900	1.51879	1.49428	1.38394	1.30320	
November 5 2017	245.69233	1.51906	1.49454	1.38418	1.30343	
November 6 2017	245.73567	1.51933	1.49480	1.38443	1.30366	
November 7 2017	245.77900	1.51959	1.49507	1.38467	1.30389	
November 8 2017	245.82233	1.51986	1.49533	1.38491	1.30412	
November 9 2017	245.86567	1.52013	1.49559	1.38516	1.30435	
November 10 2017	245.90900	1.52040	1.49586	1.38540	1.30458	
November 11 2017	245.95233	1.52066	1.49612	1.38565	1.30481	
November 12 2017	245.99567	1.52093	1.49638	1.38589	1.30504	
November 13 2017	246.03900	1.52120	1.49665	1.38614	1.30527	
November 14 2017	246.08233	1.52147	1.49691	1.38638	1.30550	
November 15 2017	246.12567	1.52174	1.49718	1.38662	1.30573	
November 16 2017	246.16900	1.52200	1.49744	1.38687	1.30596	
November 17 2017	246.21233	1.52227	1.49770	1.38711	1.30619	
November 18 2017	246.25567	1.52254	1.49797	1.38736	1.30642	
November 19 2017	246.29900	1.52281	1.49823	1.38760	1.30665	
November 20 2017	246.34233	1.52308	1.49849	1.38784	1.30688	
November 21 2017	246.38567	1.52334	1.49876	1.38809	1.30711	
November 22 2017	246.42900	1.52361	1.49902	1.38833	1.30734	
November 23 2017	246.47233	1.52388	1.49928	1.38858	1.30757	
November 24 2017	246.51567	1.52415	1.49955	1.38882	1.30780	
November 25 2017	246.55900	1.52442	1.49981	1.38906	1.30803	
November 26 2017	246.60233	1.52468	1.50008	1.38931	1.30826	
November 27 2017	246.64567	1.52495	1.50034	1.38955	1.30849	
November 28 2017	246.68900	1.52522	1.50060	1.38980	1.30872	
November 29 2017	246.73233	1.52549	1.50087	1.39004	1.30895	
November 30 2017	246.77567	1.52576	1.50113	1.39029	1.30918	
CPI-U (NSA) for:			July 2017 244.786	August 2017 245.519	September 2017 246.819	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
November 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	
November 1 2017	245.51900	1.23701	1.21746	1.17195	1.17195	
November 2 2017	245.56233	1.23723	1.21768	1.17216	1.17216	
November 3 2017	245.60567	1.23745	1.21789	1.17236	1.17236	
November 4 2017	245.64900	1.23767	1.21811	1.17257	1.17257	
November 5 2017	245.69233	1.23789	1.21832	1.17278	1.17278	
November 6 2017	245.73567	1.23810	1.21854	1.17298	1.17298	
November 7 2017	245.77900	1.23832	1.21875	1.17319	1.17319	
November 8 2017	245.82233	1.23854	1.21897	1.17340	1.17340	
November 9 2017	245.86567	1.23876	1.21918	1.17360	1.17360	
November 10 2017	245.90900	1.23898	1.21940	1.17381	1.17381	
November 11 2017	245.95233	1.23920	1.21961	1.17402	1.17402	
November 12 2017	245.99567	1.23941	1.21983	1.17422	1.17422	
November 13 2017	246.03900	1.23963	1.22004	1.17443	1.17443	
November 14 2017	246.08233	1.23985	1.22026	1.17464	1.17464	
November 15 2017	246.12567	1.24007	1.22047	1.17484	1.17484	
November 16 2017	246.16900	1.24029	1.22069	1.17505	1.17505	
November 17 2017	246.21233	1.24051	1.22090	1.17526	1.17526	
November 18 2017	246.25567	1.24072	1.22112	1.17546	1.17546	
November 19 2017	246.29900	1.24094	1.22133	1.17567	1.17567	
November 20 2017	246.34233	1.24116	1.22155	1.17588	1.17588	
November 21 2017	246.38567	1.24138	1.22176	1.17609	1.17609	
November 22 2017	246.42900	1.24160	1.22197	1.17629	1.17629	
November 23 2017	246.47233	1.24182	1.22219	1.17650	1.17650	
November 24 2017	246.51567	1.24203	1.22240	1.17671	1.17671	
November 25 2017	246.55900	1.24225	1.22262	1.17691	1.17691	
November 26 2017	246.60233	1.24247	1.22283	1.17712	1.17712	
November 27 2017	246.64567	1.24269	1.22305	1.17733	1.17733	
November 28 2017	246.68900	1.24291	1.22326	1.17753	1.17753	
November 29 2017	246.73233	1.24313	1.22348	1.17774	1.17774	
November 30 2017	246.77567	1.24334	1.22369	1.17795	1.17795	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

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

Security:			1-3/8% 10-Year TIPS	2-1/8% 10-Year TIPS	2-1/2% 20-Year TIPS	1-7/8% 10-Year TIPS		
Description:			Series D-2018	Series A-2019	TIPS of January 2029	Series D-2019		
CUSIP Number:			912828JE1	912828JX9	912810PZ5	912828LA6		
Dated Date:			July 15, 2008	January 15, 2009	January 15, 2009	July 15, 2009		
Original Issue Date:			July 15, 2008	January 15, 2009	January 30, 2009	July 15, 2009		
Additional Issue Date(s):			October 15, 2008	April 15, 2009	July 31, 2009	October 15, 2009		
Maturity Date:			July 15, 2018	January 15, 2019	January 15, 2029	July 15, 2019		
Ref CPI on Dated Date:			215.63997	214.69971	214.69971	213.51819		
Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
November	1	2017	245.51900	1.13856	1.14355	1.14355	1.14987	
November	2	2017	245.56233	1.13876	1.14375	1.14375	1.15008	
November	3	2017	245.60567	1.13896	1.14395	1.14395	1.15028	
November	4	2017	245.64900	1.13916	1.14415	1.14415	1.15048	
November	5	2017	245.69233	1.13936	1.14435	1.14435	1.15069	
November	6	2017	245.73567	1.13956	1.14456	1.14456	1.15089	
November	7	2017	245.77900	1.13977	1.14476	1.14476	1.15109	
November	8	2017	245.82233	1.13997	1.14496	1.14496	1.15129	
November	9	2017	245.86567	1.14017	1.14516	1.14516	1.15150	
November	10	2017	245.90900	1.14037	1.14536	1.14536	1.15170	
November	11	2017	245.95233	1.14057	1.14556	1.14556	1.15190	
November	12	2017	245.99567	1.14077	1.14577	1.14577	1.15211	
November	13	2017	246.03900	1.14097	1.14597	1.14597	1.15231	
November	14	2017	246.08233	1.14117	1.14617	1.14617	1.15251	
November	15	2017	246.12567	1.14137	1.14637	1.14637	1.15272	
November	16	2017	246.16900	1.14157	1.14657	1.14657	1.15292	
November	17	2017	246.21233	1.14178	1.14678	1.14678	1.15312	
November	18	2017	246.25567	1.14198	1.14698	1.14698	1.15332	
November	19	2017	246.29900	1.14218	1.14718	1.14718	1.15353	
November	20	2017	246.34233	1.14238	1.14738	1.14738	1.15373	
November	21	2017	246.38567	1.14258	1.14758	1.14758	1.15393	
November	22	2017	246.42900	1.14278	1.14778	1.14778	1.15414	
November	23	2017	246.47233	1.14298	1.14799	1.14799	1.15434	
November	24	2017	246.51567	1.14318	1.14819	1.14819	1.15454	
November	25	2017	246.55900	1.14338	1.14839	1.14839	1.15474	
November	26	2017	246.60233	1.14358	1.14859	1.14859	1.15495	
November	27	2017	246.64567	1.14378	1.14879	1.14879	1.15515	
November	28	2017	246.68900	1.14399	1.14900	1.14900	1.15535	
November	29	2017	246.73233	1.14419	1.14920	1.14920	1.15556	
November	30	2017	246.77567	1.14439	1.14940	1.14940	1.15576	
CPI-U (NSA) for:			July 2017	244.786	August 2017	245.519	September 2017	246.819

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

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
November	1	2017	245.51900	1.13537	1.13593	1.12579	1.12236	
November	2	2017	245.56233	1.13557	1.13613	1.12599	1.12256	
November	3	2017	245.60567	1.13577	1.13633	1.12619	1.12276	
November	4	2017	245.64900	1.13597	1.13653	1.12639	1.12295	
November	5	2017	245.69233	1.13617	1.13673	1.12659	1.12315	
November	6	2017	245.73567	1.13637	1.13693	1.12679	1.12335	
November	7	2017	245.77900	1.13657	1.13713	1.12699	1.12355	
November	8	2017	245.82233	1.13677	1.13733	1.12718	1.12375	
November	9	2017	245.86567	1.13697	1.13753	1.12738	1.12394	
November	10	2017	245.90900	1.13717	1.13773	1.12758	1.12414	
November	11	2017	245.95233	1.13737	1.13793	1.12778	1.12434	
November	12	2017	245.99567	1.13757	1.13813	1.12798	1.12454	
November	13	2017	246.03900	1.13777	1.13833	1.12818	1.12474	
November	14	2017	246.08233	1.13797	1.13853	1.12838	1.12493	
November	15	2017	246.12567	1.13817	1.13874	1.12858	1.12513	
November	16	2017	246.16900	1.13837	1.13894	1.12877	1.12533	
November	17	2017	246.21233	1.13857	1.13914	1.12897	1.12553	
November	18	2017	246.25567	1.13878	1.13934	1.12917	1.12573	
November	19	2017	246.29900	1.13898	1.13954	1.12937	1.12593	
November	20	2017	246.34233	1.13918	1.13974	1.12957	1.12612	
November	21	2017	246.38567	1.13938	1.13994	1.12977	1.12632	
November	22	2017	246.42900	1.13958	1.14014	1.12997	1.12652	
November	23	2017	246.47233	1.13978	1.14034	1.13016	1.12672	
November	24	2017	246.51567	1.13998	1.14054	1.13036	1.12692	
November	25	2017	246.55900	1.14018	1.14074	1.13056	1.12711	
November	26	2017	246.60233	1.14038	1.14094	1.13076	1.12731	
November	27	2017	246.64567	1.14058	1.14114	1.13096	1.12751	
November	28	2017	246.68900	1.14078	1.14134	1.13116	1.12771	
November	29	2017	246.73233	1.14098	1.14154	1.13136	1.12791	
November	30	2017	246.77567	1.14118	1.14174	1.13156	1.12810	
CPI-U (NSA) for:			July 2017	244.786	August 2017	245.519	September 2017	246.819

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
November 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	
November 1 2017	245.51900	1.12114	1.08934	1.08476	1.08656	
November 2 2017	245.56233	1.12134	1.08953	1.08495	1.08675	
November 3 2017	245.60567	1.12153	1.08972	1.08514	1.08694	
November 4 2017	245.64900	1.12173	1.08991	1.08533	1.08713	
November 5 2017	245.69233	1.12193	1.09011	1.08553	1.08732	
November 6 2017	245.73567	1.12213	1.09030	1.08572	1.08752	
November 7 2017	245.77900	1.12232	1.09049	1.08591	1.08771	
November 8 2017	245.82233	1.12252	1.09068	1.08610	1.08790	
November 9 2017	245.86567	1.12272	1.09088	1.08629	1.08809	
November 10 2017	245.90900	1.12292	1.09107	1.08648	1.08828	
November 11 2017	245.95233	1.12312	1.09126	1.08668	1.08847	
November 12 2017	245.99567	1.12331	1.09145	1.08687	1.08867	
November 13 2017	246.03900	1.12351	1.09164	1.08706	1.08886	
November 14 2017	246.08233	1.12371	1.09184	1.08725	1.08905	
November 15 2017	246.12567	1.12391	1.09203	1.08744	1.08924	
November 16 2017	246.16900	1.12411	1.09222	1.08763	1.08943	
November 17 2017	246.21233	1.12430	1.09241	1.08782	1.08962	
November 18 2017	246.25567	1.12450	1.09261	1.08802	1.08982	
November 19 2017	246.29900	1.12470	1.09280	1.08821	1.09001	
November 20 2017	246.34233	1.12490	1.09299	1.08840	1.09020	
November 21 2017	246.38567	1.12509	1.09318	1.08859	1.09039	
November 22 2017	246.42900	1.12529	1.09337	1.08878	1.09058	
November 23 2017	246.47233	1.12549	1.09357	1.08897	1.09078	
November 24 2017	246.51567	1.12569	1.09376	1.08916	1.09097	
November 25 2017	246.55900	1.12589	1.09395	1.08936	1.09116	
November 26 2017	246.60233	1.12608	1.09414	1.08955	1.09135	
November 27 2017	246.64567	1.12628	1.09434	1.08974	1.09154	
November 28 2017	246.68900	1.12648	1.09453	1.08993	1.09173	
November 29 2017	246.73233	1.12668	1.09472	1.09012	1.09193	
November 30 2017	246.77567	1.12688	1.09491	1.09031	1.09212	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
November 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	
November 1 2017	245.51900	1.06765	1.06367	1.06789	1.06212	
November 2 2017	245.56233	1.06783	1.06386	1.06808	1.06230	
November 3 2017	245.60567	1.06802	1.06405	1.06826	1.06249	
November 4 2017	245.64900	1.06821	1.06424	1.06845	1.06268	
November 5 2017	245.69233	1.06840	1.06442	1.06864	1.06287	
November 6 2017	245.73567	1.06859	1.06461	1.06883	1.06305	
November 7 2017	245.77900	1.06878	1.06480	1.06902	1.06324	
November 8 2017	245.82233	1.06896	1.06499	1.06921	1.06343	
November 9 2017	245.86567	1.06915	1.06517	1.06939	1.06362	
November 10 2017	245.90900	1.06934	1.06536	1.06958	1.06380	
November 11 2017	245.95233	1.06953	1.06555	1.06977	1.06399	
November 12 2017	245.99567	1.06972	1.06574	1.06996	1.06418	
November 13 2017	246.03900	1.06991	1.06593	1.07015	1.06437	
November 14 2017	246.08233	1.07010	1.06611	1.07034	1.06455	
November 15 2017	246.12567	1.07028	1.06630	1.07053	1.06474	
November 16 2017	246.16900	1.07047	1.06649	1.07071	1.06493	
November 17 2017	246.21233	1.07066	1.06668	1.07090	1.06512	
November 18 2017	246.25567	1.07085	1.06686	1.07109	1.06530	
November 19 2017	246.29900	1.07104	1.06705	1.07128	1.06549	
November 20 2017	246.34233	1.07123	1.06724	1.07147	1.06568	
November 21 2017	246.38567	1.07141	1.06743	1.07166	1.06587	
November 22 2017	246.42900	1.07160	1.06761	1.07185	1.06605	
November 23 2017	246.47233	1.07179	1.06780	1.07203	1.06624	
November 24 2017	246.51567	1.07198	1.06799	1.07222	1.06643	
November 25 2017	246.55900	1.07217	1.06818	1.07241	1.06662	
November 26 2017	246.60233	1.07236	1.06837	1.07260	1.06680	
November 27 2017	246.64567	1.07254	1.06855	1.07279	1.06699	
November 28 2017	246.68900	1.07273	1.06874	1.07298	1.06718	
November 29 2017	246.73233	1.07292	1.06893	1.07316	1.06737	
November 30 2017	246.77567	1.07311	1.06912	1.07335	1.06755	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

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Ref CPI and Index Ratios for
November 2017

Security:			0-3/8% 10-Year TIPS	0-5/8% 10-Year TIPS	1-3/8% 30-Year TIPS	0-1/8% 5-Year TIPS
Description:			Series D-2023	Series A-2024	TIPS of February 2044	Series X-2019
CUSIP Number:			912828VM9	912828B25	912810RF7	912828C99
Dated Date:			July 15, 2013	January 15, 2014	February 15, 2014	April 15, 2014
Original Issue Date:			July 31, 2013	January 31, 2014	February 28, 2014	April 30, 2014
Additional Issue Date(s):			September 30, 2013	March 31, 2014	June 30, 2014	August 29, 2014
			November 29, 2013	May 30, 2014	October 31, 2014	December 31, 2014
Maturity Date:			July 15, 2023	January 15, 2024	February 15, 2044	April 15, 2019
Ref CPI on Dated Date:			232.71797	233.33058	233.05900	234.31967
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
November 1 2017	245.51900	1.05501	1.05224	1.05346	1.04780	
November 2 2017	245.56233	1.05519	1.05242	1.05365	1.04798	
November 3 2017	245.60567	1.05538	1.05261	1.05383	1.04816	
November 4 2017	245.64900	1.05557	1.05279	1.05402	1.04835	
November 5 2017	245.69233	1.05575	1.05298	1.05421	1.04853	
November 6 2017	245.73567	1.05594	1.05317	1.05439	1.04872	
November 7 2017	245.77900	1.05612	1.05335	1.05458	1.04890	
November 8 2017	245.82233	1.05631	1.05354	1.05476	1.04909	
November 9 2017	245.86567	1.05650	1.05372	1.05495	1.04927	
November 10 2017	245.90900	1.05668	1.05391	1.05514	1.04946	
November 11 2017	245.95233	1.05687	1.05409	1.05532	1.04964	
November 12 2017	245.99567	1.05705	1.05428	1.05551	1.04983	
November 13 2017	246.03900	1.05724	1.05447	1.05569	1.05001	
November 14 2017	246.08233	1.05743	1.05465	1.05588	1.05020	
November 15 2017	246.12567	1.05761	1.05484	1.05607	1.05038	
November 16 2017	246.16900	1.05780	1.05502	1.05625	1.05057	
November 17 2017	246.21233	1.05799	1.05521	1.05644	1.05075	
November 18 2017	246.25567	1.05817	1.05539	1.05662	1.05094	
November 19 2017	246.29900	1.05836	1.05558	1.05681	1.05112	
November 20 2017	246.34233	1.05854	1.05577	1.05700	1.05131	
November 21 2017	246.38567	1.05873	1.05595	1.05718	1.05149	
November 22 2017	246.42900	1.05892	1.05614	1.05737	1.05168	
November 23 2017	246.47233	1.05910	1.05632	1.05755	1.05186	
November 24 2017	246.51567	1.05929	1.05651	1.05774	1.05205	
November 25 2017	246.55900	1.05948	1.05669	1.05793	1.05223	
November 26 2017	246.60233	1.05966	1.05688	1.05811	1.05242	
November 27 2017	246.64567	1.05985	1.05707	1.05830	1.05260	
November 28 2017	246.68900	1.06003	1.05725	1.05848	1.05279	
November 29 2017	246.73233	1.06022	1.05744	1.05867	1.05297	
November 30 2017	246.77567	1.06041	1.05762	1.05885	1.05316	
CPI-U (NSA) for:			July 2017 244.786	August 2017 245.519	September 2017 246.819	

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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	
November 1 2017	245.51900	1.03400	1.03658	1.04263	1.04842	
November 2 2017	245.56233	1.03418	1.03677	1.04281	1.04860	
November 3 2017	245.60567	1.03436	1.03695	1.04299	1.04879	
November 4 2017	245.64900	1.03455	1.03713	1.04318	1.04897	
November 5 2017	245.69233	1.03473	1.03732	1.04336	1.04916	
November 6 2017	245.73567	1.03491	1.03750	1.04355	1.04934	
November 7 2017	245.77900	1.03509	1.03768	1.04373	1.04953	
November 8 2017	245.82233	1.03528	1.03786	1.04391	1.04971	
November 9 2017	245.86567	1.03546	1.03805	1.04410	1.04990	
November 10 2017	245.90900	1.03564	1.03823	1.04428	1.05008	
November 11 2017	245.95233	1.03582	1.03841	1.04447	1.05027	
November 12 2017	245.99567	1.03601	1.03860	1.04465	1.05045	
November 13 2017	246.03900	1.03619	1.03878	1.04483	1.05064	
November 14 2017	246.08233	1.03637	1.03896	1.04502	1.05082	
November 15 2017	246.12567	1.03655	1.03914	1.04520	1.05101	
November 16 2017	246.16900	1.03674	1.03933	1.04539	1.05119	
November 17 2017	246.21233	1.03692	1.03951	1.04557	1.05138	
November 18 2017	246.25567	1.03710	1.03969	1.04575	1.05156	
November 19 2017	246.29900	1.03728	1.03988	1.04594	1.05175	
November 20 2017	246.34233	1.03747	1.04006	1.04612	1.05193	
November 21 2017	246.38567	1.03765	1.04024	1.04631	1.05212	
November 22 2017	246.42900	1.03783	1.04043	1.04649	1.05230	
November 23 2017	246.47233	1.03801	1.04061	1.04667	1.05249	
November 24 2017	246.51567	1.03820	1.04079	1.04686	1.05267	
November 25 2017	246.55900	1.03838	1.04097	1.04704	1.05286	
November 26 2017	246.60233	1.03856	1.04116	1.04723	1.05304	
November 27 2017	246.64567	1.03874	1.04134	1.04741	1.05323	
November 28 2017	246.68900	1.03893	1.04152	1.04759	1.05341	
November 29 2017	246.73233	1.03911	1.04171	1.04778	1.05360	
November 30 2017	246.77567	1.03929	1.04189	1.04796	1.05378	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

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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	
November 1 2017	245.51900	1.03532	1.03328	1.03619	1.03591	
November 2 2017	245.56233	1.03550	1.03346	1.03637	1.03610	
November 3 2017	245.60567	1.03568	1.03364	1.03655	1.03628	
November 4 2017	245.64900	1.03587	1.03383	1.03674	1.03646	
November 5 2017	245.69233	1.03605	1.03401	1.03692	1.03665	
November 6 2017	245.73567	1.03623	1.03419	1.03710	1.03683	
November 7 2017	245.77900	1.03641	1.03437	1.03729	1.03701	
November 8 2017	245.82233	1.03660	1.03456	1.03747	1.03719	
November 9 2017	245.86567	1.03678	1.03474	1.03765	1.03738	
November 10 2017	245.90900	1.03696	1.03492	1.03783	1.03756	
November 11 2017	245.95233	1.03714	1.03510	1.03802	1.03774	
November 12 2017	245.99567	1.03733	1.03529	1.03820	1.03793	
November 13 2017	246.03900	1.03751	1.03547	1.03838	1.03811	
November 14 2017	246.08233	1.03769	1.03565	1.03857	1.03829	
November 15 2017	246.12567	1.03788	1.03583	1.03875	1.03847	
November 16 2017	246.16900	1.03806	1.03602	1.03893	1.03866	
November 17 2017	246.21233	1.03824	1.03620	1.03911	1.03884	
November 18 2017	246.25567	1.03842	1.03638	1.03930	1.03902	
November 19 2017	246.29900	1.03861	1.03656	1.03948	1.03921	
November 20 2017	246.34233	1.03879	1.03675	1.03966	1.03939	
November 21 2017	246.38567	1.03897	1.03693	1.03985	1.03957	
November 22 2017	246.42900	1.03915	1.03711	1.04003	1.03975	
November 23 2017	246.47233	1.03934	1.03729	1.04021	1.03994	
November 24 2017	246.51567	1.03952	1.03747	1.04039	1.04012	
November 25 2017	246.55900	1.03970	1.03766	1.04058	1.04030	
November 26 2017	246.60233	1.03989	1.03784	1.04076	1.04049	
November 27 2017	246.64567	1.04007	1.03802	1.04094	1.04067	
November 28 2017	246.68900	1.04025	1.03820	1.04113	1.04085	
November 29 2017	246.73233	1.04043	1.03839	1.04131	1.04103	
November 30 2017	246.77567	1.04062	1.03857	1.04149	1.04122	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

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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 October 31, 2017	0-1/8% 5-Year TIPS Series X-2022 912828X39 April 15, 2017 April 28, 2017 August 31, 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	
November 1 2017	245.51900	1.02427	1.01639	1.01709	1.00955	
November 2 2017	245.56233	1.02445	1.01657	1.01727	1.00973	
November 3 2017	245.60567	1.02463	1.01675	1.01745	1.00991	
November 4 2017	245.64900	1.02481	1.01693	1.01763	1.01009	
November 5 2017	245.69233	1.02499	1.01711	1.01781	1.01027	
November 6 2017	245.73567	1.02517	1.01729	1.01799	1.01044	
November 7 2017	245.77900	1.02536	1.01747	1.01817	1.01062	
November 8 2017	245.82233	1.02554	1.01765	1.01835	1.01080	
November 9 2017	245.86567	1.02572	1.01783	1.01853	1.01098	
November 10 2017	245.90900	1.02590	1.01801	1.01871	1.01116	
November 11 2017	245.95233	1.02608	1.01819	1.01889	1.01134	
November 12 2017	245.99567	1.02626	1.01837	1.01907	1.01151	
November 13 2017	246.03900	1.02644	1.01855	1.01925	1.01169	
November 14 2017	246.08233	1.02662	1.01872	1.01943	1.01187	
November 15 2017	246.12567	1.02680	1.01890	1.01961	1.01205	
November 16 2017	246.16900	1.02698	1.01908	1.01979	1.01223	
November 17 2017	246.21233	1.02716	1.01926	1.01997	1.01240	
November 18 2017	246.25567	1.02734	1.01944	1.02015	1.01258	
November 19 2017	246.29900	1.02752	1.01962	1.02033	1.01276	
November 20 2017	246.34233	1.02771	1.01980	1.02051	1.01294	
November 21 2017	246.38567	1.02789	1.01998	1.02068	1.01312	
November 22 2017	246.42900	1.02807	1.02016	1.02086	1.01330	
November 23 2017	246.47233	1.02825	1.02034	1.02104	1.01347	
November 24 2017	246.51567	1.02843	1.02052	1.02122	1.01365	
November 25 2017	246.55900	1.02861	1.02070	1.02140	1.01383	
November 26 2017	246.60233	1.02879	1.02088	1.02158	1.01401	
November 27 2017	246.64567	1.02897	1.02106	1.02176	1.01419	
November 28 2017	246.68900	1.02915	1.02124	1.02194	1.01436	
November 29 2017	246.73233	1.02933	1.02142	1.02212	1.01454	
November 30 2017	246.77567	1.02951	1.02160	1.02230	1.01472	
CPI-U (NSA) for:	July 2017	244.786	August 2017	245.519	September 2017	246.819

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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 September 29, 2017 July 15, 2027 244.61839					
Date			Ref CPI		Index Ratio			
November	1	2017	245.51900		1.00368			
November	2	2017	245.56233		1.00386			
November	3	2017	245.60567		1.00404			
November	4	2017	245.64900		1.00421			
November	5	2017	245.69233		1.00439			
November	6	2017	245.73567		1.00457			
November	7	2017	245.77900		1.00474			
November	8	2017	245.82233		1.00492			
November	9	2017	245.86567		1.00510			
November	10	2017	245.90900		1.00528			
November	11	2017	245.95233		1.00545			
November	12	2017	245.99567		1.00563			
November	13	2017	246.03900		1.00581			
November	14	2017	246.08233		1.00598			
November	15	2017	246.12567		1.00616			
November	16	2017	246.16900		1.00634			
November	17	2017	246.21233		1.00652			
November	18	2017	246.25567		1.00669			
November	19	2017	246.29900		1.00687			
November	20	2017	246.34233		1.00705			
November	21	2017	246.38567		1.00722			
November	22	2017	246.42900		1.00740			
November	23	2017	246.47233		1.00758			
November	24	2017	246.51567		1.00776			
November	25	2017	246.55900		1.00793			
November	26	2017	246.60233		1.00811			
November	27	2017	246.64567		1.00829			
November	28	2017	246.68900		1.00846			
November	29	2017	246.73233		1.00864			
November	30	2017	246.77567		1.00882			
CPI-U (NSA) for:			July 2017	244.786	August 2017	245.519	September 2017	246.819