

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.52506	1.50044	1.38965	1.30858	
January 2 2018	246.66319	1.52506	1.50045	1.38965	1.30858	
January 3 2018	246.66339	1.52506	1.50045	1.38965	1.30858	
January 4 2018	246.66358	1.52506	1.50045	1.38965	1.30858	
January 5 2018	246.66377	1.52506	1.50045	1.38966	1.30858	
January 6 2018	246.66397	1.52506	1.50045	1.38966	1.30858	
January 7 2018	246.66416	1.52507	1.50045	1.38966	1.30859	
January 8 2018	246.66435	1.52507	1.50045	1.38966	1.30859	
January 9 2018	246.66455	1.52507	1.50045	1.38966	1.30859	
January 10 2018	246.66474	1.52507	1.50045	1.38966	1.30859	
January 11 2018	246.66494	1.52507	1.50046	1.38966	1.30859	
January 12 2018	246.66513	1.52507	1.50046	1.38966	1.30859	
January 13 2018	246.66532	1.52507	1.50046	1.38966	1.30859	
January 14 2018	246.66552	1.52507	1.50046	1.38966	1.30859	
January 15 2018	246.66571	1.52508	1.50046	1.38967	1.30859	
January 16 2018	246.66590	1.52508	1.50046	1.38967	1.30859	
January 17 2018	246.66610	1.52508	1.50046	1.38967	1.30860	
January 18 2018	246.66629	1.52508	1.50046	1.38967	1.30860	
January 19 2018	246.66648	1.52508	1.50047	1.38967	1.30860	
January 20 2018	246.66668	1.52508	1.50047	1.38967	1.30860	
January 21 2018	246.66687	1.52508	1.50047	1.38967	1.30860	
January 22 2018	246.66706	1.52508	1.50047	1.38967	1.30860	
January 23 2018	246.66726	1.52509	1.50047	1.38967	1.30860	
January 24 2018	246.66745	1.52509	1.50047	1.38968	1.30860	
January 25 2018	246.66765	1.52509	1.50047	1.38968	1.30860	
January 26 2018	246.66784	1.52509	1.50047	1.38968	1.30861	
January 27 2018	246.66803	1.52509	1.50047	1.38968	1.30861	
January 28 2018	246.66823	1.52509	1.50048	1.38968	1.30861	
January 29 2018	246.66842	1.52509	1.50048	1.38968	1.30861	
January 30 2018	246.66861	1.52509	1.50048	1.38968	1.30861	
January 31 2018	246.66881	1.52509	1.50048	1.38968	1.30861	
<b>CPI-U (NSA) for:</b>			<b>September 2017 246.819</b>	<b>October 2017 246.663</b>	<b>November 2017 246.669</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.24278	1.22314	1.17741	1.17741	
January 2 2018	246.66319	1.24278	1.22314	1.17741	1.17741	
January 3 2018	246.66339	1.24278	1.22314	1.17741	1.17741	
January 4 2018	246.66358	1.24278	1.22314	1.17741	1.17741	
January 5 2018	246.66377	1.24278	1.22314	1.17741	1.17741	
January 6 2018	246.66397	1.24278	1.22314	1.17741	1.17741	
January 7 2018	246.66416	1.24278	1.22314	1.17741	1.17741	
January 8 2018	246.66435	1.24278	1.22314	1.17742	1.17742	
January 9 2018	246.66455	1.24278	1.22314	1.17742	1.17742	
January 10 2018	246.66474	1.24278	1.22314	1.17742	1.17742	
January 11 2018	246.66494	1.24279	1.22314	1.17742	1.17742	
January 12 2018	246.66513	1.24279	1.22315	1.17742	1.17742	
January 13 2018	246.66532	1.24279	1.22315	1.17742	1.17742	
January 14 2018	246.66552	1.24279	1.22315	1.17742	1.17742	
January 15 2018	246.66571	1.24279	1.22315	1.17742	1.17742	
January 16 2018	246.66590	1.24279	1.22315	1.17742	1.17742	
January 17 2018	246.66610	1.24279	1.22315	1.17742	1.17742	
January 18 2018	246.66629	1.24279	1.22315	1.17742	1.17742	
January 19 2018	246.66648	1.24279	1.22315	1.17743	1.17743	
January 20 2018	246.66668	1.24279	1.22315	1.17743	1.17743	
January 21 2018	246.66687	1.24280	1.22315	1.17743	1.17743	
January 22 2018	246.66706	1.24280	1.22316	1.17743	1.17743	
January 23 2018	246.66726	1.24280	1.22316	1.17743	1.17743	
January 24 2018	246.66745	1.24280	1.22316	1.17743	1.17743	
January 25 2018	246.66765	1.24280	1.22316	1.17743	1.17743	
January 26 2018	246.66784	1.24280	1.22316	1.17743	1.17743	
January 27 2018	246.66803	1.24280	1.22316	1.17743	1.17743	
January 28 2018	246.66823	1.24280	1.22316	1.17743	1.17743	
January 29 2018	246.66842	1.24280	1.22316	1.17743	1.17743	
January 30 2018	246.66861	1.24280	1.22316	1.17744	1.17744	
January 31 2018	246.66881	1.24281	1.22316	1.17744	1.17744	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.14386	1.14887	1.14887	1.15523	
January 2 2018	246.66319	1.14387	1.14888	1.14888	1.15523	
January 3 2018	246.66339	1.14387	1.14888	1.14888	1.15523	
January 4 2018	246.66358	1.14387	1.14888	1.14888	1.15523	
January 5 2018	246.66377	1.14387	1.14888	1.14888	1.15524	
January 6 2018	246.66397	1.14387	1.14888	1.14888	1.15524	
January 7 2018	246.66416	1.14387	1.14888	1.14888	1.15524	
January 8 2018	246.66435	1.14387	1.14888	1.14888	1.15524	
January 9 2018	246.66455	1.14387	1.14888	1.14888	1.15524	
January 10 2018	246.66474	1.14387	1.14888	1.14888	1.15524	
January 11 2018	246.66494	1.14387	1.14888	1.14888	1.15524	
January 12 2018	246.66513	1.14387	1.14888	1.14888	1.15524	
January 13 2018	246.66532	1.14388	1.14889	1.14889	1.15524	
January 14 2018	246.66552	1.14388	1.14889	1.14889	1.15524	
January 15 2018	246.66571	1.14388	1.14889	1.14889	1.15524	
January 16 2018	246.66590	1.14388	1.14889	1.14889	1.15525	
January 17 2018	246.66610	1.14388	1.14889	1.14889	1.15525	
January 18 2018	246.66629	1.14388	1.14889	1.14889	1.15525	
January 19 2018	246.66648	1.14388	1.14889	1.14889	1.15525	
January 20 2018	246.66668	1.14388	1.14889	1.14889	1.15525	
January 21 2018	246.66687	1.14388	1.14889	1.14889	1.15525	
January 22 2018	246.66706	1.14388	1.14889	1.14889	1.15525	
January 23 2018	246.66726	1.14388	1.14889	1.14889	1.15525	
January 24 2018	246.66745	1.14389	1.14890	1.14890	1.15525	
January 25 2018	246.66765	1.14389	1.14890	1.14890	1.15525	
January 26 2018	246.66784	1.14389	1.14890	1.14890	1.15525	
January 27 2018	246.66803	1.14389	1.14890	1.14890	1.15526	
January 28 2018	246.66823	1.14389	1.14890	1.14890	1.15526	
January 29 2018	246.66842	1.14389	1.14890	1.14890	1.15526	
January 30 2018	246.66861	1.14389	1.14890	1.14890	1.15526	
January 31 2018	246.66881	1.14389	1.14890	1.14890	1.15526	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January	1	2018	246.66300	1.14066	1.14122	1.13104	1.12759	
January	2	2018	246.66319	1.14066	1.14122	1.13104	1.12759	
January	3	2018	246.66339	1.14066	1.14122	1.13104	1.12759	
January	4	2018	246.66358	1.14066	1.14122	1.13104	1.12759	
January	5	2018	246.66377	1.14066	1.14122	1.13104	1.12759	
January	6	2018	246.66397	1.14066	1.14123	1.13104	1.12759	
January	7	2018	246.66416	1.14066	1.14123	1.13104	1.12759	
January	8	2018	246.66435	1.14066	1.14123	1.13105	1.12760	
January	9	2018	246.66455	1.14067	1.14123	1.13105	1.12760	
January	10	2018	246.66474	1.14067	1.14123	1.13105	1.12760	
January	11	2018	246.66494	1.14067	1.14123	1.13105	1.12760	
January	12	2018	246.66513	1.14067	1.14123	1.13105	1.12760	
January	13	2018	246.66532	1.14067	1.14123	1.13105	1.12760	
January	14	2018	246.66552	1.14067	1.14123	1.13105	1.12760	
January	15	2018	246.66571	1.14067	1.14123	1.13105	1.12760	
January	16	2018	246.66590	1.14067	1.14123	1.13105	1.12760	
January	17	2018	246.66610	1.14067	1.14124	1.13105	1.12760	
January	18	2018	246.66629	1.14067	1.14124	1.13105	1.12760	
January	19	2018	246.66648	1.14067	1.14124	1.13105	1.12761	
January	20	2018	246.66668	1.14068	1.14124	1.13106	1.12761	
January	21	2018	246.66687	1.14068	1.14124	1.13106	1.12761	
January	22	2018	246.66706	1.14068	1.14124	1.13106	1.12761	
January	23	2018	246.66726	1.14068	1.14124	1.13106	1.12761	
January	24	2018	246.66745	1.14068	1.14124	1.13106	1.12761	
January	25	2018	246.66765	1.14068	1.14124	1.13106	1.12761	
January	26	2018	246.66784	1.14068	1.14124	1.13106	1.12761	
January	27	2018	246.66803	1.14068	1.14124	1.13106	1.12761	
January	28	2018	246.66823	1.14068	1.14125	1.13106	1.12761	
January	29	2018	246.66842	1.14068	1.14125	1.13106	1.12761	
January	30	2018	246.66861	1.14068	1.14125	1.13106	1.12761	
January	31	2018	246.66881	1.14069	1.14125	1.13107	1.12762	
<b>CPI-U (NSA) for:</b>			<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.12636	1.09441	1.08982	1.09162	
January 2 2018	246.66319	1.12636	1.09441	1.08982	1.09162	
January 3 2018	246.66339	1.12636	1.09441	1.08982	1.09162	
January 4 2018	246.66358	1.12636	1.09442	1.08982	1.09162	
January 5 2018	246.66377	1.12636	1.09442	1.08982	1.09162	
January 6 2018	246.66397	1.12637	1.09442	1.08982	1.09162	
January 7 2018	246.66416	1.12637	1.09442	1.08982	1.09162	
January 8 2018	246.66435	1.12637	1.09442	1.08982	1.09163	
January 9 2018	246.66455	1.12637	1.09442	1.08982	1.09163	
January 10 2018	246.66474	1.12637	1.09442	1.08982	1.09163	
January 11 2018	246.66494	1.12637	1.09442	1.08982	1.09163	
January 12 2018	246.66513	1.12637	1.09442	1.08982	1.09163	
January 13 2018	246.66532	1.12637	1.09442	1.08983	1.09163	
January 14 2018	246.66552	1.12637	1.09442	1.08983	1.09163	
January 15 2018	246.66571	1.12637	1.09443	1.08983	1.09163	
January 16 2018	246.66590	1.12637	1.09443	1.08983	1.09163	
January 17 2018	246.66610	1.12638	1.09443	1.08983	1.09163	
January 18 2018	246.66629	1.12638	1.09443	1.08983	1.09163	
January 19 2018	246.66648	1.12638	1.09443	1.08983	1.09163	
January 20 2018	246.66668	1.12638	1.09443	1.08983	1.09164	
January 21 2018	246.66687	1.12638	1.09443	1.08983	1.09164	
January 22 2018	246.66706	1.12638	1.09443	1.08983	1.09164	
January 23 2018	246.66726	1.12638	1.09443	1.08983	1.09164	
January 24 2018	246.66745	1.12638	1.09443	1.08983	1.09164	
January 25 2018	246.66765	1.12638	1.09443	1.08984	1.09164	
January 26 2018	246.66784	1.12638	1.09443	1.08984	1.09164	
January 27 2018	246.66803	1.12638	1.09444	1.08984	1.09164	
January 28 2018	246.66823	1.12639	1.09444	1.08984	1.09164	
January 29 2018	246.66842	1.12639	1.09444	1.08984	1.09164	
January 30 2018	246.66861	1.12639	1.09444	1.08984	1.09164	
January 31 2018	246.66881	1.12639	1.09444	1.08984	1.09165	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.07262	1.06863	1.07286	1.06707	
January 2 2018	246.66319	1.07262	1.06863	1.07286	1.06707	
January 3 2018	246.66339	1.07262	1.06863	1.07286	1.06707	
January 4 2018	246.66358	1.07262	1.06863	1.07287	1.06707	
January 5 2018	246.66377	1.07262	1.06863	1.07287	1.06707	
January 6 2018	246.66397	1.07262	1.06863	1.07287	1.06707	
January 7 2018	246.66416	1.07263	1.06863	1.07287	1.06707	
January 8 2018	246.66435	1.07263	1.06863	1.07287	1.06707	
January 9 2018	246.66455	1.07263	1.06864	1.07287	1.06707	
January 10 2018	246.66474	1.07263	1.06864	1.07287	1.06707	
January 11 2018	246.66494	1.07263	1.06864	1.07287	1.06707	
January 12 2018	246.66513	1.07263	1.06864	1.07287	1.06707	
January 13 2018	246.66532	1.07263	1.06864	1.07287	1.06708	
January 14 2018	246.66552	1.07263	1.06864	1.07287	1.06708	
January 15 2018	246.66571	1.07263	1.06864	1.07287	1.06708	
January 16 2018	246.66590	1.07263	1.06864	1.07288	1.06708	
January 17 2018	246.66610	1.07263	1.06864	1.07288	1.06708	
January 18 2018	246.66629	1.07263	1.06864	1.07288	1.06708	
January 19 2018	246.66648	1.07264	1.06864	1.07288	1.06708	
January 20 2018	246.66668	1.07264	1.06864	1.07288	1.06708	
January 21 2018	246.66687	1.07264	1.06865	1.07288	1.06708	
January 22 2018	246.66706	1.07264	1.06865	1.07288	1.06708	
January 23 2018	246.66726	1.07264	1.06865	1.07288	1.06708	
January 24 2018	246.66745	1.07264	1.06865	1.07288	1.06708	
January 25 2018	246.66765	1.07264	1.06865	1.07288	1.06709	
January 26 2018	246.66784	1.07264	1.06865	1.07288	1.06709	
January 27 2018	246.66803	1.07264	1.06865	1.07288	1.06709	
January 28 2018	246.66823	1.07264	1.06865	1.07289	1.06709	
January 29 2018	246.66842	1.07264	1.06865	1.07289	1.06709	
January 30 2018	246.66861	1.07264	1.06865	1.07289	1.06709	
January 31 2018	246.66881	1.07265	1.06865	1.07289	1.06709	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.05992	1.05714	1.05837	1.05268	
January 2 2018	246.66319	1.05992	1.05714	1.05837	1.05268	
January 3 2018	246.66339	1.05992	1.05714	1.05837	1.05268	
January 4 2018	246.66358	1.05992	1.05714	1.05837	1.05268	
January 5 2018	246.66377	1.05993	1.05714	1.05837	1.05268	
January 6 2018	246.66397	1.05993	1.05714	1.05838	1.05268	
January 7 2018	246.66416	1.05993	1.05714	1.05838	1.05268	
January 8 2018	246.66435	1.05993	1.05715	1.05838	1.05268	
January 9 2018	246.66455	1.05993	1.05715	1.05838	1.05268	
January 10 2018	246.66474	1.05993	1.05715	1.05838	1.05268	
January 11 2018	246.66494	1.05993	1.05715	1.05838	1.05269	
January 12 2018	246.66513	1.05993	1.05715	1.05838	1.05269	
January 13 2018	246.66532	1.05993	1.05715	1.05838	1.05269	
January 14 2018	246.66552	1.05993	1.05715	1.05838	1.05269	
January 15 2018	246.66571	1.05993	1.05715	1.05838	1.05269	
January 16 2018	246.66590	1.05993	1.05715	1.05838	1.05269	
January 17 2018	246.66610	1.05994	1.05715	1.05838	1.05269	
January 18 2018	246.66629	1.05994	1.05715	1.05839	1.05269	
January 19 2018	246.66648	1.05994	1.05715	1.05839	1.05269	
January 20 2018	246.66668	1.05994	1.05716	1.05839	1.05269	
January 21 2018	246.66687	1.05994	1.05716	1.05839	1.05269	
January 22 2018	246.66706	1.05994	1.05716	1.05839	1.05269	
January 23 2018	246.66726	1.05994	1.05716	1.05839	1.05270	
January 24 2018	246.66745	1.05994	1.05716	1.05839	1.05270	
January 25 2018	246.66765	1.05994	1.05716	1.05839	1.05270	
January 26 2018	246.66784	1.05994	1.05716	1.05839	1.05270	
January 27 2018	246.66803	1.05994	1.05716	1.05839	1.05270	
January 28 2018	246.66823	1.05994	1.05716	1.05839	1.05270	
January 29 2018	246.66842	1.05995	1.05716	1.05839	1.05270	
January 30 2018	246.66861	1.05995	1.05716	1.05840	1.05270	
January 31 2018	246.66881	1.05995	1.05716	1.05840	1.05270	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.03882	1.04141	1.04748	1.05330	
January 2 2018	246.66319	1.03882	1.04141	1.04748	1.05330	
January 3 2018	246.66339	1.03882	1.04142	1.04749	1.05330	
January 4 2018	246.66358	1.03882	1.04142	1.04749	1.05330	
January 5 2018	246.66377	1.03882	1.04142	1.04749	1.05331	
January 6 2018	246.66397	1.03882	1.04142	1.04749	1.05331	
January 7 2018	246.66416	1.03882	1.04142	1.04749	1.05331	
January 8 2018	246.66435	1.03882	1.04142	1.04749	1.05331	
January 9 2018	246.66455	1.03882	1.04142	1.04749	1.05331	
January 10 2018	246.66474	1.03882	1.04142	1.04749	1.05331	
January 11 2018	246.66494	1.03883	1.04142	1.04749	1.05331	
January 12 2018	246.66513	1.03883	1.04142	1.04749	1.05331	
January 13 2018	246.66532	1.03883	1.04142	1.04749	1.05331	
January 14 2018	246.66552	1.03883	1.04142	1.04749	1.05331	
January 15 2018	246.66571	1.03883	1.04143	1.04750	1.05331	
January 16 2018	246.66590	1.03883	1.04143	1.04750	1.05331	
January 17 2018	246.66610	1.03883	1.04143	1.04750	1.05332	
January 18 2018	246.66629	1.03883	1.04143	1.04750	1.05332	
January 19 2018	246.66648	1.03883	1.04143	1.04750	1.05332	
January 20 2018	246.66668	1.03883	1.04143	1.04750	1.05332	
January 21 2018	246.66687	1.03883	1.04143	1.04750	1.05332	
January 22 2018	246.66706	1.03883	1.04143	1.04750	1.05332	
January 23 2018	246.66726	1.03884	1.04143	1.04750	1.05332	
January 24 2018	246.66745	1.03884	1.04143	1.04750	1.05332	
January 25 2018	246.66765	1.03884	1.04143	1.04750	1.05332	
January 26 2018	246.66784	1.03884	1.04143	1.04750	1.05332	
January 27 2018	246.66803	1.03884	1.04143	1.04750	1.05332	
January 28 2018	246.66823	1.03884	1.04144	1.04751	1.05332	
January 29 2018	246.66842	1.03884	1.04144	1.04751	1.05333	
January 30 2018	246.66861	1.03884	1.04144	1.04751	1.05333	
January 31 2018	246.66881	1.03884	1.04144	1.04751	1.05333	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>



**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.04014	1.03809	1.04102	1.04074	
January 2 2018	246.66319	1.04014	1.03810	1.04102	1.04074	
January 3 2018	246.66339	1.04014	1.03810	1.04102	1.04074	
January 4 2018	246.66358	1.04014	1.03810	1.04102	1.04074	
January 5 2018	246.66377	1.04014	1.03810	1.04102	1.04074	
January 6 2018	246.66397	1.04015	1.03810	1.04102	1.04075	
January 7 2018	246.66416	1.04015	1.03810	1.04102	1.04075	
January 8 2018	246.66435	1.04015	1.03810	1.04102	1.04075	
January 9 2018	246.66455	1.04015	1.03810	1.04102	1.04075	
January 10 2018	246.66474	1.04015	1.03810	1.04102	1.04075	
January 11 2018	246.66494	1.04015	1.03810	1.04102	1.04075	
January 12 2018	246.66513	1.04015	1.03810	1.04103	1.04075	
January 13 2018	246.66532	1.04015	1.03810	1.04103	1.04075	
January 14 2018	246.66552	1.04015	1.03811	1.04103	1.04075	
January 15 2018	246.66571	1.04015	1.03811	1.04103	1.04075	
January 16 2018	246.66590	1.04015	1.03811	1.04103	1.04075	
January 17 2018	246.66610	1.04015	1.03811	1.04103	1.04075	
January 18 2018	246.66629	1.04016	1.03811	1.04103	1.04076	
January 19 2018	246.66648	1.04016	1.03811	1.04103	1.04076	
January 20 2018	246.66668	1.04016	1.03811	1.04103	1.04076	
January 21 2018	246.66687	1.04016	1.03811	1.04103	1.04076	
January 22 2018	246.66706	1.04016	1.03811	1.04103	1.04076	
January 23 2018	246.66726	1.04016	1.03811	1.04103	1.04076	
January 24 2018	246.66745	1.04016	1.03811	1.04103	1.04076	
January 25 2018	246.66765	1.04016	1.03811	1.04104	1.04076	
January 26 2018	246.66784	1.04016	1.03811	1.04104	1.04076	
January 27 2018	246.66803	1.04016	1.03812	1.04104	1.04076	
January 28 2018	246.66823	1.04016	1.03812	1.04104	1.04076	
January 29 2018	246.66842	1.04016	1.03812	1.04104	1.04076	
January 30 2018	246.66861	1.04017	1.03812	1.04104	1.04077	
January 31 2018	246.66881	1.04017	1.03812	1.04104	1.04077	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

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	
January 1 2018	246.66300	1.02904	1.02113	1.02183	1.01426	
January 2 2018	246.66319	1.02904	1.02113	1.02183	1.01426	
January 3 2018	246.66339	1.02904	1.02113	1.02184	1.01426	
January 4 2018	246.66358	1.02905	1.02113	1.02184	1.01426	
January 5 2018	246.66377	1.02905	1.02113	1.02184	1.01426	
January 6 2018	246.66397	1.02905	1.02113	1.02184	1.01426	
January 7 2018	246.66416	1.02905	1.02113	1.02184	1.01426	
January 8 2018	246.66435	1.02905	1.02113	1.02184	1.01426	
January 9 2018	246.66455	1.02905	1.02114	1.02184	1.01426	
January 10 2018	246.66474	1.02905	1.02114	1.02184	1.01427	
January 11 2018	246.66494	1.02905	1.02114	1.02184	1.01427	
January 12 2018	246.66513	1.02905	1.02114	1.02184	1.01427	
January 13 2018	246.66532	1.02905	1.02114	1.02184	1.01427	
January 14 2018	246.66552	1.02905	1.02114	1.02184	1.01427	
January 15 2018	246.66571	1.02905	1.02114	1.02184	1.01427	
January 16 2018	246.66590	1.02906	1.02114	1.02185	1.01427	
January 17 2018	246.66610	1.02906	1.02114	1.02185	1.01427	
January 18 2018	246.66629	1.02906	1.02114	1.02185	1.01427	
January 19 2018	246.66648	1.02906	1.02114	1.02185	1.01427	
January 20 2018	246.66668	1.02906	1.02114	1.02185	1.01427	
January 21 2018	246.66687	1.02906	1.02114	1.02185	1.01427	
January 22 2018	246.66706	1.02906	1.02115	1.02185	1.01427	
January 23 2018	246.66726	1.02906	1.02115	1.02185	1.01428	
January 24 2018	246.66745	1.02906	1.02115	1.02185	1.01428	
January 25 2018	246.66765	1.02906	1.02115	1.02185	1.01428	
January 26 2018	246.66784	1.02906	1.02115	1.02185	1.01428	
January 27 2018	246.66803	1.02906	1.02115	1.02185	1.01428	
January 28 2018	246.66823	1.02906	1.02115	1.02186	1.01428	
January 29 2018	246.66842	1.02907	1.02115	1.02186	1.01428	
January 30 2018	246.66861	1.02907	1.02115	1.02186	1.01428	
January 31 2018	246.66881	1.02907	1.02115	1.02186	1.01428	
<b>CPI-U (NSA) for:</b>	<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**January 2018**

<b>Security:</b> <b>Description:</b> <b>CUSIP Number:</b> <b>Dated Date:</b> <b>Original Issue Date:</b> <b>Additional Issue Date(s):</b>			<b>0-3/8% 10-Year TIPS</b> <b>Series D-2027</b> <b>9128282L3</b> <b>July 15, 2017</b> <b>July 31, 2017</b> <b>September 29, 2017</b> <b>November 30, 2017</b>					
<b>Maturity Date:</b> <b>Ref CPI on Dated Date:</b>			<b>July 15, 2027</b> <b>244.61839</b>					
Date			Ref CPI	Index Ratio				
January	1	2018	246.66300	1.00836				
January	2	2018	246.66319	1.00836				
January	3	2018	246.66339	1.00836				
January	4	2018	246.66358	1.00836				
January	5	2018	246.66377	1.00836				
January	6	2018	246.66397	1.00836				
January	7	2018	246.66416	1.00836				
January	8	2018	246.66435	1.00836				
January	9	2018	246.66455	1.00836				
January	10	2018	246.66474	1.00837				
January	11	2018	246.66494	1.00837				
January	12	2018	246.66513	1.00837				
January	13	2018	246.66532	1.00837				
January	14	2018	246.66552	1.00837				
January	15	2018	246.66571	1.00837				
January	16	2018	246.66590	1.00837				
January	17	2018	246.66610	1.00837				
January	18	2018	246.66629	1.00837				
January	19	2018	246.66648	1.00837				
January	20	2018	246.66668	1.00837				
January	21	2018	246.66687	1.00837				
January	22	2018	246.66706	1.00837				
January	23	2018	246.66726	1.00838				
January	24	2018	246.66745	1.00838				
January	25	2018	246.66765	1.00838				
January	26	2018	246.66784	1.00838				
January	27	2018	246.66803	1.00838				
January	28	2018	246.66823	1.00838				
January	29	2018	246.66842	1.00838				
January	30	2018	246.66861	1.00838				
January	31	2018	246.66881	1.00838				
<b>CPI-U (NSA) for:</b>			<b>September 2017</b>	<b>246.819</b>	<b>October 2017</b>	<b>246.663</b>	<b>November 2017</b>	<b>246.669</b>