

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 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	
June 1 2018	249.55400	1.54293	1.51803	1.40594	1.32392	
June 2 2018	249.58707	1.54314	1.51823	1.40612	1.32409	
June 3 2018	249.62013	1.54334	1.51843	1.40631	1.32427	
June 4 2018	249.65320	1.54355	1.51863	1.40650	1.32444	
June 5 2018	249.68627	1.54375	1.51883	1.40668	1.32462	
June 6 2018	249.71933	1.54396	1.51904	1.40687	1.32479	
June 7 2018	249.75240	1.54416	1.51924	1.40706	1.32497	
June 8 2018	249.78547	1.54436	1.51944	1.40724	1.32514	
June 9 2018	249.81853	1.54457	1.51964	1.40743	1.32532	
June 10 2018	249.85160	1.54477	1.51984	1.40761	1.32550	
June 11 2018	249.88467	1.54498	1.52004	1.40780	1.32567	
June 12 2018	249.91773	1.54518	1.52024	1.40799	1.32585	
June 13 2018	249.95080	1.54539	1.52044	1.40817	1.32602	
June 14 2018	249.98387	1.54559	1.52064	1.40836	1.32620	
June 15 2018	250.01693	1.54580	1.52085	1.40855	1.32637	
June 16 2018	250.05000	1.54600	1.52105	1.40873	1.32655	
June 17 2018	250.08307	1.54620	1.52125	1.40892	1.32672	
June 18 2018	250.11613	1.54641	1.52145	1.40910	1.32690	
June 19 2018	250.14920	1.54661	1.52165	1.40929	1.32707	
June 20 2018	250.18227	1.54682	1.52185	1.40948	1.32725	
June 21 2018	250.21533	1.54702	1.52205	1.40966	1.32743	
June 22 2018	250.24840	1.54723	1.52225	1.40985	1.32760	
June 23 2018	250.28147	1.54743	1.52246	1.41004	1.32778	
June 24 2018	250.31453	1.54764	1.52266	1.41022	1.32795	
June 25 2018	250.34760	1.54784	1.52286	1.41041	1.32813	
June 26 2018	250.38067	1.54804	1.52306	1.41060	1.32830	
June 27 2018	250.41373	1.54825	1.52326	1.41078	1.32848	
June 28 2018	250.44680	1.54845	1.52346	1.41097	1.32865	
June 29 2018	250.47987	1.54866	1.52366	1.41115	1.32883	
June 30 2018	250.51293	1.54886	1.52386	1.41134	1.32900	
<b>CPI-U (NSA) for:</b>	<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>

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

			<b>2% 20-Year TIPS</b> <b>TIPS of January 2026</b> <b>912810FS2</b> <b>January 15, 2006</b> <b>January 31, 2006</b> <b>July 31, 2006</b>	<b>2-3/8% 20-Year TIPS</b> <b>TIPS of January 2027</b> <b>912810PS1</b> <b>January 15, 2007</b> <b>January 31, 2007</b> <b>July 31, 2007</b>	<b>1-3/4% 20-Year TIPS</b> <b>TIPS of January 2028</b> <b>912810PV4</b> <b>January 15, 2008</b> <b>January 31, 2008</b> <b>July 31, 2008</b>	<b>1-3/8% 10-Year TIPS</b> <b>Series D-2018</b> <b>912828JE1</b> <b>July 15, 2008</b> <b>July 15, 2008</b> <b>October 15, 2008</b>
			<b>January 15, 2026</b> <b>198.47742</b>	<b>January 15, 2027</b> <b>201.66452</b>	<b>January 15, 2028</b> <b>209.49645</b>	<b>July 15, 2018</b> <b>215.63997</b>
<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>Maturity Date:</b>						
<b>Ref CPI on Dated Date:</b>						
<b>Date</b>	<b>Ref CPI</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>
June 1 2018	249.55400	1.25734	1.23747	1.19121	1.15727	
June 2 2018	249.58707	1.25751	1.23764	1.19137	1.15742	
June 3 2018	249.62013	1.25768	1.23780	1.19152	1.15758	
June 4 2018	249.65320	1.25784	1.23796	1.19168	1.15773	
June 5 2018	249.68627	1.25801	1.23813	1.19184	1.15788	
June 6 2018	249.71933	1.25818	1.23829	1.19200	1.15804	
June 7 2018	249.75240	1.25834	1.23845	1.19216	1.15819	
June 8 2018	249.78547	1.25851	1.23862	1.19231	1.15834	
June 9 2018	249.81853	1.25867	1.23878	1.19247	1.15850	
June 10 2018	249.85160	1.25884	1.23895	1.19263	1.15865	
June 11 2018	249.88467	1.25901	1.23911	1.19279	1.15880	
June 12 2018	249.91773	1.25917	1.23927	1.19294	1.15896	
June 13 2018	249.95080	1.25934	1.23944	1.19310	1.15911	
June 14 2018	249.98387	1.25951	1.23960	1.19326	1.15927	
June 15 2018	250.01693	1.25967	1.23977	1.19342	1.15942	
June 16 2018	250.05000	1.25984	1.23993	1.19358	1.15957	
June 17 2018	250.08307	1.26001	1.24009	1.19373	1.15973	
June 18 2018	250.11613	1.26017	1.24026	1.19389	1.15988	
June 19 2018	250.14920	1.26034	1.24042	1.19405	1.16003	
June 20 2018	250.18227	1.26051	1.24059	1.19421	1.16019	
June 21 2018	250.21533	1.26067	1.24075	1.19437	1.16034	
June 22 2018	250.24840	1.26084	1.24091	1.19452	1.16049	
June 23 2018	250.28147	1.26101	1.24108	1.19468	1.16065	
June 24 2018	250.31453	1.26117	1.24124	1.19484	1.16080	
June 25 2018	250.34760	1.26134	1.24141	1.19500	1.16095	
June 26 2018	250.38067	1.26151	1.24157	1.19515	1.16111	
June 27 2018	250.41373	1.26167	1.24173	1.19531	1.16126	
June 28 2018	250.44680	1.26184	1.24190	1.19547	1.16141	
June 29 2018	250.47987	1.26201	1.24206	1.19563	1.16157	
June 30 2018	250.51293	1.26217	1.24223	1.19579	1.16172	
<b>CPI-U (NSA) for:</b>	<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>

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

<b>Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):</b>			<b>2-1/8% 10-Year TIPS Series A-2019 912828JX9 January 15, 2009 January 15, 2009 April 15, 2009</b>	<b>2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009</b>	<b>1-7/8% 10-Year TIPS Series D-2019 912828LA6 July 15, 2009 July 15, 2009 October 15, 2009</b>	<b>1-3/8% 10-Year TIPS Series A-2020 912828MF4 January 15, 2010 January 15, 2010 April 15, 2010</b>	
<b>Maturity Date: Ref CPI on Dated Date:</b>			<b>January 15, 2019 214.69971</b>	<b>January 15, 2029 214.69971</b>	<b>July 15, 2019 213.51819</b>	<b>January 15, 2020 216.24610</b>	
<b>Date</b>			<b>Ref CPI</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>	<b>Index Ratio</b>
June	1	2018	249.55400	1.16234	1.16234	1.16877	1.15403
June	2	2018	249.58707	1.16249	1.16249	1.16893	1.15418
June	3	2018	249.62013	1.16265	1.16265	1.16908	1.15433
June	4	2018	249.65320	1.16280	1.16280	1.16924	1.15449
June	5	2018	249.68627	1.16296	1.16296	1.16939	1.15464
June	6	2018	249.71933	1.16311	1.16311	1.16955	1.15479
June	7	2018	249.75240	1.16326	1.16326	1.16970	1.15495
June	8	2018	249.78547	1.16342	1.16342	1.16986	1.15510
June	9	2018	249.81853	1.16357	1.16357	1.17001	1.15525
June	10	2018	249.85160	1.16373	1.16373	1.17017	1.15540
June	11	2018	249.88467	1.16388	1.16388	1.17032	1.15556
June	12	2018	249.91773	1.16403	1.16403	1.17048	1.15571
June	13	2018	249.95080	1.16419	1.16419	1.17063	1.15586
June	14	2018	249.98387	1.16434	1.16434	1.17078	1.15602
June	15	2018	250.01693	1.16450	1.16450	1.17094	1.15617
June	16	2018	250.05000	1.16465	1.16465	1.17109	1.15632
June	17	2018	250.08307	1.16480	1.16480	1.17125	1.15647
June	18	2018	250.11613	1.16496	1.16496	1.17140	1.15663
June	19	2018	250.14920	1.16511	1.16511	1.17156	1.15678
June	20	2018	250.18227	1.16527	1.16527	1.17171	1.15693
June	21	2018	250.21533	1.16542	1.16542	1.17187	1.15709
June	22	2018	250.24840	1.16557	1.16557	1.17202	1.15724
June	23	2018	250.28147	1.16573	1.16573	1.17218	1.15739
June	24	2018	250.31453	1.16588	1.16588	1.17233	1.15754
June	25	2018	250.34760	1.16604	1.16604	1.17249	1.15770
June	26	2018	250.38067	1.16619	1.16619	1.17264	1.15785
June	27	2018	250.41373	1.16634	1.16634	1.17280	1.15800
June	28	2018	250.44680	1.16650	1.16650	1.17295	1.15816
June	29	2018	250.47987	1.16665	1.16665	1.17311	1.15831
June	30	2018	250.51293	1.16681	1.16681	1.17326	1.15846
<b>CPI-U (NSA) for:</b>			<b>February 2018 248.991</b>	<b>March 2018 249.554</b>	<b>April 2018 250.546</b>		

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 2011
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	July 15, 2020 218.08532	January 15, 2021 218.75255	February 15, 2041 218.99100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.15460	1.14430	1.14080	1.13956	
June 2 2018	249.58707	1.15475	1.14445	1.14096	1.13971	
June 3 2018	249.62013	1.15490	1.14460	1.14111	1.13986	
June 4 2018	249.65320	1.15506	1.14475	1.14126	1.14002	
June 5 2018	249.68627	1.15521	1.14490	1.14141	1.14017	
June 6 2018	249.71933	1.15536	1.14505	1.14156	1.14032	
June 7 2018	249.75240	1.15551	1.14521	1.14171	1.14047	
June 8 2018	249.78547	1.15567	1.14536	1.14186	1.14062	
June 9 2018	249.81853	1.15582	1.14551	1.14201	1.14077	
June 10 2018	249.85160	1.15597	1.14566	1.14217	1.14092	
June 11 2018	249.88467	1.15613	1.14581	1.14232	1.14107	
June 12 2018	249.91773	1.15628	1.14596	1.14247	1.14122	
June 13 2018	249.95080	1.15643	1.14611	1.14262	1.14137	
June 14 2018	249.98387	1.15659	1.14627	1.14277	1.14153	
June 15 2018	250.01693	1.15674	1.14642	1.14292	1.14168	
June 16 2018	250.05000	1.15689	1.14657	1.14307	1.14183	
June 17 2018	250.08307	1.15704	1.14672	1.14322	1.14198	
June 18 2018	250.11613	1.15720	1.14687	1.14337	1.14213	
June 19 2018	250.14920	1.15735	1.14702	1.14353	1.14228	
June 20 2018	250.18227	1.15750	1.14718	1.14368	1.14243	
June 21 2018	250.21533	1.15766	1.14733	1.14383	1.14258	
June 22 2018	250.24840	1.15781	1.14748	1.14398	1.14273	
June 23 2018	250.28147	1.15796	1.14763	1.14413	1.14288	
June 24 2018	250.31453	1.15812	1.14778	1.14428	1.14304	
June 25 2018	250.34760	1.15827	1.14793	1.14443	1.14319	
June 26 2018	250.38067	1.15842	1.14809	1.14458	1.14334	
June 27 2018	250.41373	1.15857	1.14824	1.14474	1.14349	
June 28 2018	250.44680	1.15873	1.14839	1.14489	1.14364	
June 29 2018	250.47987	1.15888	1.14854	1.14504	1.14379	
June 30 2018	250.51293	1.15903	1.14869	1.14519	1.14394	
<b>CPI-U (NSA) for:</b>			<b>February 2018 248.991</b>	<b>March 2018 249.554</b>	<b>April 2018 250.546</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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:			July 15, 2021 225.38381	January 15, 2022 226.33474	February 15, 2042 225.96062	July 15, 2022 229.96306
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.10724	1.10259	1.10441	1.08519	
June 2 2018	249.58707	1.10739	1.10273	1.10456	1.08534	
June 3 2018	249.62013	1.10753	1.10288	1.10471	1.08548	
June 4 2018	249.65320	1.10768	1.10303	1.10485	1.08562	
June 5 2018	249.68627	1.10783	1.10317	1.10500	1.08577	
June 6 2018	249.71933	1.10797	1.10332	1.10515	1.08591	
June 7 2018	249.75240	1.10812	1.10346	1.10529	1.08605	
June 8 2018	249.78547	1.10827	1.10361	1.10544	1.08620	
June 9 2018	249.81853	1.10841	1.10376	1.10558	1.08634	
June 10 2018	249.85160	1.10856	1.10390	1.10573	1.08649	
June 11 2018	249.88467	1.10871	1.10405	1.10588	1.08663	
June 12 2018	249.91773	1.10885	1.10420	1.10602	1.08677	
June 13 2018	249.95080	1.10900	1.10434	1.10617	1.08692	
June 14 2018	249.98387	1.10915	1.10449	1.10632	1.08706	
June 15 2018	250.01693	1.10929	1.10463	1.10646	1.08720	
June 16 2018	250.05000	1.10944	1.10478	1.10661	1.08735	
June 17 2018	250.08307	1.10959	1.10493	1.10676	1.08749	
June 18 2018	250.11613	1.10973	1.10507	1.10690	1.08764	
June 19 2018	250.14920	1.10988	1.10522	1.10705	1.08778	
June 20 2018	250.18227	1.11003	1.10536	1.10719	1.08792	
June 21 2018	250.21533	1.11017	1.10551	1.10734	1.08807	
June 22 2018	250.24840	1.11032	1.10566	1.10749	1.08821	
June 23 2018	250.28147	1.11047	1.10580	1.10763	1.08836	
June 24 2018	250.31453	1.11061	1.10595	1.10778	1.08850	
June 25 2018	250.34760	1.11076	1.10609	1.10793	1.08864	
June 26 2018	250.38067	1.11091	1.10624	1.10807	1.08879	
June 27 2018	250.41373	1.11105	1.10639	1.10822	1.08893	
June 28 2018	250.44680	1.11120	1.10653	1.10836	1.08907	
June 29 2018	250.47987	1.11135	1.10668	1.10851	1.08922	
June 30 2018	250.51293	1.11149	1.10682	1.10866	1.08936	
<b>CPI-U (NSA) for:</b>	<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>

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

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June	1	2018	249.55400	1.08115	1.08544	1.07235	1.06953	
June	2	2018	249.58707	1.08130	1.08558	1.07249	1.06967	
June	3	2018	249.62013	1.08144	1.08573	1.07263	1.06981	
June	4	2018	249.65320	1.08158	1.08587	1.07277	1.06995	
June	5	2018	249.68627	1.08173	1.08601	1.07291	1.07010	
June	6	2018	249.71933	1.08187	1.08616	1.07306	1.07024	
June	7	2018	249.75240	1.08201	1.08630	1.07320	1.07038	
June	8	2018	249.78547	1.08216	1.08644	1.07334	1.07052	
June	9	2018	249.81853	1.08230	1.08659	1.07348	1.07066	
June	10	2018	249.85160	1.08244	1.08673	1.07362	1.07081	
June	11	2018	249.88467	1.08259	1.08688	1.07377	1.07095	
June	12	2018	249.91773	1.08273	1.08702	1.07391	1.07109	
June	13	2018	249.95080	1.08287	1.08716	1.07405	1.07123	
June	14	2018	249.98387	1.08302	1.08731	1.07419	1.07137	
June	15	2018	250.01693	1.08316	1.08745	1.07433	1.07151	
June	16	2018	250.05000	1.08330	1.08759	1.07448	1.07166	
June	17	2018	250.08307	1.08345	1.08774	1.07462	1.07180	
June	18	2018	250.11613	1.08359	1.08788	1.07476	1.07194	
June	19	2018	250.14920	1.08373	1.08803	1.07490	1.07208	
June	20	2018	250.18227	1.08388	1.08817	1.07504	1.07222	
June	21	2018	250.21533	1.08402	1.08831	1.07519	1.07236	
June	22	2018	250.24840	1.08416	1.08846	1.07533	1.07251	
June	23	2018	250.28147	1.08430	1.08860	1.07547	1.07265	
June	24	2018	250.31453	1.08445	1.08875	1.07561	1.07279	
June	25	2018	250.34760	1.08459	1.08889	1.07576	1.07293	
June	26	2018	250.38067	1.08473	1.08903	1.07590	1.07307	
June	27	2018	250.41373	1.08488	1.08918	1.07604	1.07321	
June	28	2018	250.44680	1.08502	1.08932	1.07618	1.07336	
June	29	2018	250.47987	1.08516	1.08946	1.07632	1.07350	
June	30	2018	250.51293	1.08531	1.08961	1.07647	1.07364	
<b>CPI-U (NSA) for:</b>			<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/4% 10-Year TIPS Series A-2025 912828H45 January 15, 2015 January 30, 2015 March 31, 2015 May 29, 2015
Maturity Date: Ref CPI on Dated Date:			February 15, 2044 233.05900	April 15, 2019 234.31967	July 15, 2024 237.44594	January 15, 2025 236.85403
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.07078	1.06502	1.05099	1.05362	
June 2 2018	249.58707	1.07092	1.06516	1.05113	1.05376	
June 3 2018	249.62013	1.07106	1.06530	1.05127	1.05390	
June 4 2018	249.65320	1.07120	1.06544	1.05141	1.05404	
June 5 2018	249.68627	1.07134	1.06558	1.05155	1.05418	
June 6 2018	249.71933	1.07149	1.06572	1.05169	1.05432	
June 7 2018	249.75240	1.07163	1.06586	1.05183	1.05446	
June 8 2018	249.78547	1.07177	1.06600	1.05197	1.05460	
June 9 2018	249.81853	1.07191	1.06614	1.05211	1.05474	
June 10 2018	249.85160	1.07205	1.06629	1.05225	1.05488	
June 11 2018	249.88467	1.07219	1.06643	1.05239	1.05502	
June 12 2018	249.91773	1.07234	1.06657	1.05252	1.05516	
June 13 2018	249.95080	1.07248	1.06671	1.05266	1.05529	
June 14 2018	249.98387	1.07262	1.06685	1.05280	1.05543	
June 15 2018	250.01693	1.07276	1.06699	1.05294	1.05557	
June 16 2018	250.05000	1.07290	1.06713	1.05308	1.05571	
June 17 2018	250.08307	1.07305	1.06727	1.05322	1.05585	
June 18 2018	250.11613	1.07319	1.06741	1.05336	1.05599	
June 19 2018	250.14920	1.07333	1.06756	1.05350	1.05613	
June 20 2018	250.18227	1.07347	1.06770	1.05364	1.05627	
June 21 2018	250.21533	1.07361	1.06784	1.05378	1.05641	
June 22 2018	250.24840	1.07376	1.06798	1.05392	1.05655	
June 23 2018	250.28147	1.07390	1.06812	1.05406	1.05669	
June 24 2018	250.31453	1.07404	1.06826	1.05420	1.05683	
June 25 2018	250.34760	1.07418	1.06840	1.05434	1.05697	
June 26 2018	250.38067	1.07432	1.06854	1.05447	1.05711	
June 27 2018	250.41373	1.07446	1.06868	1.05461	1.05725	
June 28 2018	250.44680	1.07461	1.06883	1.05475	1.05739	
June 29 2018	250.47987	1.07475	1.06897	1.05489	1.05753	
June 30 2018	250.51293	1.07489	1.06911	1.05503	1.05767	
<b>CPI-U (NSA) for:</b>			<b>February 2018 248.991</b>	<b>March 2018 249.554</b>	<b>April 2018 250.546</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-5/8% 10-Year TIPS Series A-2026 912828N71 January 15, 2016 January 29, 2016 March 31, 2016 May 31, 2016
Maturity Date: Ref CPI on Dated Date:			February 15, 2045 235.48150	April 15, 2020 234.18067	July 15, 2025 237.14365	January 15, 2026 237.61129
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.05976	1.06565	1.05233	1.05026	
June 2 2018	249.58707	1.05990	1.06579	1.05247	1.05040	
June 3 2018	249.62013	1.06004	1.06593	1.05261	1.05054	
June 4 2018	249.65320	1.06018	1.06607	1.05275	1.05068	
June 5 2018	249.68627	1.06032	1.06621	1.05289	1.05082	
June 6 2018	249.71933	1.06046	1.06635	1.05303	1.05096	
June 7 2018	249.75240	1.06060	1.06649	1.05317	1.05110	
June 8 2018	249.78547	1.06074	1.06664	1.05331	1.05124	
June 9 2018	249.81853	1.06088	1.06678	1.05345	1.05137	
June 10 2018	249.85160	1.06102	1.06692	1.05359	1.05151	
June 11 2018	249.88467	1.06116	1.06706	1.05373	1.05165	
June 12 2018	249.91773	1.06131	1.06720	1.05387	1.05179	
June 13 2018	249.95080	1.06145	1.06734	1.05401	1.05193	
June 14 2018	249.98387	1.06159	1.06748	1.05415	1.05207	
June 15 2018	250.01693	1.06173	1.06762	1.05428	1.05221	
June 16 2018	250.05000	1.06187	1.06777	1.05442	1.05235	
June 17 2018	250.08307	1.06201	1.06791	1.05456	1.05249	
June 18 2018	250.11613	1.06215	1.06805	1.05470	1.05263	
June 19 2018	250.14920	1.06229	1.06819	1.05484	1.05277	
June 20 2018	250.18227	1.06243	1.06833	1.05498	1.05291	
June 21 2018	250.21533	1.06257	1.06847	1.05512	1.05304	
June 22 2018	250.24840	1.06271	1.06861	1.05526	1.05318	
June 23 2018	250.28147	1.06285	1.06875	1.05540	1.05332	
June 24 2018	250.31453	1.06299	1.06889	1.05554	1.05346	
June 25 2018	250.34760	1.06313	1.06904	1.05568	1.05360	
June 26 2018	250.38067	1.06327	1.06918	1.05582	1.05374	
June 27 2018	250.41373	1.06341	1.06932	1.05596	1.05388	
June 28 2018	250.44680	1.06355	1.06946	1.05610	1.05402	
June 29 2018	250.47987	1.06369	1.06960	1.05624	1.05416	
June 30 2018	250.51293	1.06383	1.06974	1.05638	1.05430	
<b>CPI-U (NSA) for:</b>	<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>



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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2046 236.94448	April 15, 2021 237.00700	July 15, 2026 239.70132	January 15, 2027 241.55919
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.05322	1.05294	1.04110	1.03310	
June 2 2018	249.58707	1.05336	1.05308	1.04124	1.03323	
June 3 2018	249.62013	1.05350	1.05322	1.04138	1.03337	
June 4 2018	249.65320	1.05364	1.05336	1.04152	1.03351	
June 5 2018	249.68627	1.05378	1.05350	1.04166	1.03364	
June 6 2018	249.71933	1.05391	1.05364	1.04179	1.03378	
June 7 2018	249.75240	1.05405	1.05378	1.04193	1.03392	
June 8 2018	249.78547	1.05419	1.05392	1.04207	1.03405	
June 9 2018	249.81853	1.05433	1.05406	1.04221	1.03419	
June 10 2018	249.85160	1.05447	1.05420	1.04235	1.03433	
June 11 2018	249.88467	1.05461	1.05433	1.04248	1.03447	
June 12 2018	249.91773	1.05475	1.05447	1.04262	1.03460	
June 13 2018	249.95080	1.05489	1.05461	1.04276	1.03474	
June 14 2018	249.98387	1.05503	1.05475	1.04290	1.03488	
June 15 2018	250.01693	1.05517	1.05489	1.04304	1.03501	
June 16 2018	250.05000	1.05531	1.05503	1.04317	1.03515	
June 17 2018	250.08307	1.05545	1.05517	1.04331	1.03529	
June 18 2018	250.11613	1.05559	1.05531	1.04345	1.03542	
June 19 2018	250.14920	1.05573	1.05545	1.04359	1.03556	
June 20 2018	250.18227	1.05587	1.05559	1.04373	1.03570	
June 21 2018	250.21533	1.05601	1.05573	1.04386	1.03583	
June 22 2018	250.24840	1.05615	1.05587	1.04400	1.03597	
June 23 2018	250.28147	1.05629	1.05601	1.04414	1.03611	
June 24 2018	250.31453	1.05643	1.05615	1.04428	1.03625	
June 25 2018	250.34760	1.05657	1.05629	1.04441	1.03638	
June 26 2018	250.38067	1.05671	1.05643	1.04455	1.03652	
June 27 2018	250.41373	1.05685	1.05657	1.04469	1.03666	
June 28 2018	250.44680	1.05699	1.05671	1.04483	1.03679	
June 29 2018	250.47987	1.05712	1.05685	1.04497	1.03693	
June 30 2018	250.51293	1.05726	1.05699	1.04510	1.03707	
<b>CPI-U (NSA) for:</b>			<b>February 2018 248.991</b>	<b>March 2018 249.554</b>	<b>April 2018 250.546</b>	

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

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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 December 29, 2017	0-3/8% 10-Year TIPS Series D-2027 9128282L3 July 15, 2017 July 31, 2017 September 29, 2017 November 30, 2017	0-1/2% 10-Year TIPS Series A-2028 9128283R9 January 15, 2018 January 31, 2018 March 29, 2018
Maturity Date: Ref CPI on Dated Date:			February 15, 2047 241.39250	April 15, 2022 243.19553	July 15, 2027 244.61839	January 15, 2028 246.66571
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2018	249.55400	1.03381	1.02615	1.02018	1.01171	
June 2 2018	249.58707	1.03395	1.02628	1.02031	1.01184	
June 3 2018	249.62013	1.03408	1.02642	1.02045	1.01198	
June 4 2018	249.65320	1.03422	1.02655	1.02058	1.01211	
June 5 2018	249.68627	1.03436	1.02669	1.02072	1.01225	
June 6 2018	249.71933	1.03449	1.02683	1.02085	1.01238	
June 7 2018	249.75240	1.03463	1.02696	1.02099	1.01251	
June 8 2018	249.78547	1.03477	1.02710	1.02112	1.01265	
June 9 2018	249.81853	1.03491	1.02723	1.02126	1.01278	
June 10 2018	249.85160	1.03504	1.02737	1.02139	1.01292	
June 11 2018	249.88467	1.03518	1.02751	1.02153	1.01305	
June 12 2018	249.91773	1.03532	1.02764	1.02166	1.01318	
June 13 2018	249.95080	1.03545	1.02778	1.02180	1.01332	
June 14 2018	249.98387	1.03559	1.02791	1.02193	1.01345	
June 15 2018	250.01693	1.03573	1.02805	1.02207	1.01359	
June 16 2018	250.05000	1.03586	1.02819	1.02220	1.01372	
June 17 2018	250.08307	1.03600	1.02832	1.02234	1.01385	
June 18 2018	250.11613	1.03614	1.02846	1.02247	1.01399	
June 19 2018	250.14920	1.03628	1.02859	1.02261	1.01412	
June 20 2018	250.18227	1.03641	1.02873	1.02275	1.01426	
June 21 2018	250.21533	1.03655	1.02886	1.02288	1.01439	
June 22 2018	250.24840	1.03669	1.02900	1.02302	1.01452	
June 23 2018	250.28147	1.03682	1.02914	1.02315	1.01466	
June 24 2018	250.31453	1.03696	1.02927	1.02329	1.01479	
June 25 2018	250.34760	1.03710	1.02941	1.02342	1.01493	
June 26 2018	250.38067	1.03723	1.02954	1.02356	1.01506	
June 27 2018	250.41373	1.03737	1.02968	1.02369	1.01519	
June 28 2018	250.44680	1.03751	1.02982	1.02383	1.01533	
June 29 2018	250.47987	1.03765	1.02995	1.02396	1.01546	
June 30 2018	250.51293	1.03778	1.03009	1.02410	1.01560	
<b>CPI-U (NSA) for:</b>	<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 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>Maturity Date:</b> <b>Ref CPI on Dated Date:</b>			<b>1% 30-Year TIPS</b> <b>TIPS of February 2048</b> <b>912810SB5</b> <b>February 15, 2018</b> <b>February 28, 2018</b>  <b>February 15, 2048</b> <b>246.59650</b>	<b>0-5/8% 5-Year TIPS</b> <b>Series X-2023</b> <b>9128284H0</b> <b>April 15, 2018</b> <b>April 30, 2018</b>  <b>April 15, 2023</b> <b>248.39153</b>				
<b>Date</b>			<b>Ref CPI</b>	<b>Index Ratio</b>	<b>Index Ratio</b>			
June	1	2018	249.55400	1.01199	1.00468			
June	2	2018	249.58707	1.01213	1.00481			
June	3	2018	249.62013	1.01226	1.00495			
June	4	2018	249.65320	1.01240	1.00508			
June	5	2018	249.68627	1.01253	1.00521			
June	6	2018	249.71933	1.01266	1.00535			
June	7	2018	249.75240	1.01280	1.00548			
June	8	2018	249.78547	1.01293	1.00561			
June	9	2018	249.81853	1.01307	1.00574			
June	10	2018	249.85160	1.01320	1.00588			
June	11	2018	249.88467	1.01333	1.00601			
June	12	2018	249.91773	1.01347	1.00614			
June	13	2018	249.95080	1.01360	1.00628			
June	14	2018	249.98387	1.01374	1.00641			
June	15	2018	250.01693	1.01387	1.00654			
June	16	2018	250.05000	1.01400	1.00668			
June	17	2018	250.08307	1.01414	1.00681			
June	18	2018	250.11613	1.01427	1.00694			
June	19	2018	250.14920	1.01441	1.00708			
June	20	2018	250.18227	1.01454	1.00721			
June	21	2018	250.21533	1.01468	1.00734			
June	22	2018	250.24840	1.01481	1.00748			
June	23	2018	250.28147	1.01494	1.00761			
June	24	2018	250.31453	1.01508	1.00774			
June	25	2018	250.34760	1.01521	1.00787			
June	26	2018	250.38067	1.01535	1.00801			
June	27	2018	250.41373	1.01548	1.00814			
June	28	2018	250.44680	1.01561	1.00827			
June	29	2018	250.47987	1.01575	1.00841			
June	30	2018	250.51293	1.01588	1.00854			
<b>CPI-U (NSA) for:</b>			<b>February 2018</b>	<b>248.991</b>	<b>March 2018</b>	<b>249.554</b>	<b>April 2018</b>	<b>250.546</b>