

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

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 2022	276.58900	1.71008	1.68248	1.55825	1.46734	
January 2 2022	276.63284	1.71036	1.68275	1.55849	1.46757	
January 3 2022	276.67668	1.71063	1.68302	1.55874	1.46781	
January 4 2022	276.72052	1.71090	1.68328	1.55899	1.46804	
January 5 2022	276.76435	1.71117	1.68355	1.55924	1.46827	
January 6 2022	276.80819	1.71144	1.68382	1.55948	1.46850	
January 7 2022	276.85203	1.71171	1.68408	1.55973	1.46874	
January 8 2022	276.89587	1.71198	1.68435	1.55998	1.46897	
January 9 2022	276.93971	1.71225	1.68462	1.56022	1.46920	
January 10 2022	276.98355	1.71252	1.68488	1.56047	1.46943	
January 11 2022	277.02739	1.71279	1.68515	1.56072	1.46967	
January 12 2022	277.07123	1.71307	1.68542	1.56096	1.46990	
January 13 2022	277.11506	1.71334	1.68568	1.56121	1.47013	
January 14 2022	277.15890	1.71361	1.68595	1.56146	1.47036	
January 15 2022	277.20274	1.71388	1.68622	1.56171	1.47060	
January 16 2022	277.24658	1.71415	1.68648	1.56195	1.47083	
January 17 2022	277.29042	1.71442	1.68675	1.56220	1.47106	
January 18 2022	277.33426	1.71469	1.68702	1.56245	1.47129	
January 19 2022	277.37810	1.71496	1.68728	1.56269	1.47153	
January 20 2022	277.42194	1.71523	1.68755	1.56294	1.47176	
January 21 2022	277.46577	1.71550	1.68782	1.56319	1.47199	
January 22 2022	277.50961	1.71578	1.68808	1.56343	1.47222	
January 23 2022	277.55345	1.71605	1.68835	1.56368	1.47246	
January 24 2022	277.59729	1.71632	1.68862	1.56393	1.47269	
January 25 2022	277.64113	1.71659	1.68888	1.56418	1.47292	
January 26 2022	277.68497	1.71686	1.68915	1.56442	1.47316	
January 27 2022	277.72881	1.71713	1.68942	1.56467	1.47339	
January 28 2022	277.77265	1.71740	1.68968	1.56492	1.47362	
January 29 2022	277.81648	1.71767	1.68995	1.56516	1.47385	
January 30 2022	277.86032	1.71794	1.69022	1.56541	1.47409	
January 31 2022	277.90416	1.71822	1.69048	1.56566	1.47432	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

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	1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008	2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2027 201.66452	January 15, 2028 209.49645	January 15, 2029 214.69971
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.39355	1.37153	1.32026	1.28826	
January 2 2022	276.63284	1.39377	1.37175	1.32047	1.28846	
January 3 2022	276.67668	1.39400	1.37197	1.32067	1.28867	
January 4 2022	276.72052	1.39422	1.37218	1.32088	1.28887	
January 5 2022	276.76435	1.39444	1.37240	1.32109	1.28908	
January 6 2022	276.80819	1.39466	1.37262	1.32130	1.28928	
January 7 2022	276.85203	1.39488	1.37283	1.32151	1.28948	
January 8 2022	276.89587	1.39510	1.37305	1.32172	1.28969	
January 9 2022	276.93971	1.39532	1.37327	1.32193	1.28989	
January 10 2022	276.98355	1.39554	1.37349	1.32214	1.29010	
January 11 2022	277.02739	1.39576	1.37370	1.32235	1.29030	
January 12 2022	277.07123	1.39598	1.37392	1.32256	1.29051	
January 13 2022	277.11506	1.39620	1.37414	1.32277	1.29071	
January 14 2022	277.15890	1.39643	1.37436	1.32298	1.29091	
January 15 2022	277.20274	1.39665	1.37457	1.32319	1.29112	
January 16 2022	277.24658	1.39687	1.37479	1.32340	1.29132	
January 17 2022	277.29042	1.39709	1.37501	1.32360	1.29153	
January 18 2022	277.33426	1.39731	1.37523	1.32381	1.29173	
January 19 2022	277.37810	1.39753	1.37544	1.32402	1.29194	
January 20 2022	277.42194	1.39775	1.37566	1.32423	1.29214	
January 21 2022	277.46577	1.39797	1.37588	1.32444	1.29234	
January 22 2022	277.50961	1.39819	1.37610	1.32465	1.29255	
January 23 2022	277.55345	1.39841	1.37631	1.32486	1.29275	
January 24 2022	277.59729	1.39863	1.37653	1.32507	1.29296	
January 25 2022	277.64113	1.39885	1.37675	1.32528	1.29316	
January 26 2022	277.68497	1.39908	1.37696	1.32549	1.29336	
January 27 2022	277.72881	1.39930	1.37718	1.32570	1.29357	
January 28 2022	277.77265	1.39952	1.37740	1.32591	1.29377	
January 29 2022	277.81648	1.39974	1.37762	1.32612	1.29398	
January 30 2022	277.86032	1.39996	1.37783	1.32632	1.29418	
January 31 2022	277.90416	1.40018	1.37805	1.32653	1.29439	
CPI-U (NSA) for:	September 2021	274.31	October 2021	276.589	November 2021	277.948

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

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	2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 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, 2040 216.13950	February 15, 2041 218.99100	January 15, 2022 226.33474	February 15, 2042 225.96062
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.27968	1.26302	1.22204	1.22406	
January 2 2022	276.63284	1.27988	1.26322	1.22223	1.22425	
January 3 2022	276.67668	1.28008	1.26342	1.22242	1.22445	
January 4 2022	276.72052	1.28029	1.26362	1.22262	1.22464	
January 5 2022	276.76435	1.28049	1.26382	1.22281	1.22483	
January 6 2022	276.80819	1.28069	1.26402	1.22300	1.22503	
January 7 2022	276.85203	1.28090	1.26422	1.22320	1.22522	
January 8 2022	276.89587	1.28110	1.26442	1.22339	1.22542	
January 9 2022	276.93971	1.28130	1.26462	1.22358	1.22561	
January 10 2022	276.98355	1.28150	1.26482	1.22378	1.22580	
January 11 2022	277.02739	1.28171	1.26502	1.22397	1.22600	
January 12 2022	277.07123	1.28191	1.26522	1.22417	1.22619	
January 13 2022	277.11506	1.28211	1.26542	1.22436	1.22639	
January 14 2022	277.15890	1.28231	1.26562	1.22455	1.22658	
January 15 2022	277.20274	1.28252	1.26582	1.22475	1.22677	
January 16 2022	277.24658	1.28272	1.26602		1.22697	
January 17 2022	277.29042	1.28292	1.26622		1.22716	
January 18 2022	277.33426	1.28313	1.26642		1.22736	
January 19 2022	277.37810	1.28333	1.26662		1.22755	
January 20 2022	277.42194	1.28353	1.26682		1.22774	
January 21 2022	277.46577	1.28373	1.26702		1.22794	
January 22 2022	277.50961	1.28394	1.26722		1.22813	
January 23 2022	277.55345	1.28414	1.26742		1.22833	
January 24 2022	277.59729	1.28434	1.26762		1.22852	
January 25 2022	277.64113	1.28455	1.26782		1.22871	
January 26 2022	277.68497	1.28475	1.26802		1.22891	
January 27 2022	277.72881	1.28495	1.26822		1.22910	
January 28 2022	277.77265	1.28515	1.26842		1.22930	
January 29 2022	277.81648	1.28536	1.26862		1.22949	
January 30 2022	277.86032	1.28556	1.26882		1.22968	
January 31 2022	277.90416	1.28576	1.26902		1.22988	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	

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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-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	0-3/8% 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:			July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100	July 15, 2023 232.71797
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.20275	1.19828	1.20303	1.18852	
January 2 2022	276.63284	1.20294	1.19847	1.20322	1.18870	
January 3 2022	276.67668	1.20314	1.19866	1.20341	1.18889	
January 4 2022	276.72052	1.20333	1.19885	1.20360	1.18908	
January 5 2022	276.76435	1.20352	1.19904	1.20379	1.18927	
January 6 2022	276.80819	1.20371	1.19923	1.20398	1.18946	
January 7 2022	276.85203	1.20390	1.19942	1.20417	1.18965	
January 8 2022	276.89587	1.20409	1.19961	1.20436	1.18983	
January 9 2022	276.93971	1.20428	1.19980	1.20455	1.19002	
January 10 2022	276.98355	1.20447	1.19999	1.20474	1.19021	
January 11 2022	277.02739	1.20466	1.20018	1.20493	1.19040	
January 12 2022	277.07123	1.20485	1.20037	1.20512	1.19059	
January 13 2022	277.11506	1.20504	1.20056	1.20531	1.19078	
January 14 2022	277.15890	1.20523	1.20075	1.20551	1.19096	
January 15 2022	277.20274	1.20542	1.20094	1.20570	1.19115	
January 16 2022	277.24658	1.20561	1.20113	1.20589	1.19134	
January 17 2022	277.29042	1.20580	1.20132	1.20608	1.19153	
January 18 2022	277.33426	1.20599	1.20151	1.20627	1.19172	
January 19 2022	277.37810	1.20619	1.20170	1.20646	1.19191	
January 20 2022	277.42194	1.20638	1.20189	1.20665	1.19210	
January 21 2022	277.46577	1.20657	1.20208	1.20684	1.19228	
January 22 2022	277.50961	1.20676	1.20227	1.20703	1.19247	
January 23 2022	277.55345	1.20695	1.20246	1.20722	1.19266	
January 24 2022	277.59729	1.20714	1.20265	1.20741	1.19285	
January 25 2022	277.64113	1.20733	1.20284	1.20760	1.19304	
January 26 2022	277.68497	1.20752	1.20303	1.20779	1.19323	
January 27 2022	277.72881	1.20771	1.20322	1.20798	1.19341	
January 28 2022	277.77265	1.20790	1.20341	1.20817	1.19360	
January 29 2022	277.81648	1.20809	1.20360	1.20837	1.19379	
January 30 2022	277.86032	1.20828	1.20379	1.20856	1.19398	
January 31 2022	277.90416	1.20847	1.20398	1.20875	1.19417	
CPI-U (NSA) for:	September 2021	274.31	October 2021	276.589	November 2021	277.948

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January	1	2022	276.58900	1.18540	1.18678	1.16485	1.16776	
January	2	2022	276.63284	1.18558	1.18696	1.16504	1.16795	
January	3	2022	276.67668	1.18577	1.18715	1.16522	1.16813	
January	4	2022	276.72052	1.18596	1.18734	1.16540	1.16832	
January	5	2022	276.76435	1.18615	1.18753	1.16559	1.16850	
January	6	2022	276.80819	1.18633	1.18772	1.16577	1.16869	
January	7	2022	276.85203	1.18652	1.18791	1.16596	1.16887	
January	8	2022	276.89587	1.18671	1.18809	1.16614	1.16906	
January	9	2022	276.93971	1.18690	1.18828	1.16633	1.16924	
January	10	2022	276.98355	1.18709	1.18847	1.16651	1.16943	
January	11	2022	277.02739	1.18727	1.18866	1.16670	1.16961	
January	12	2022	277.07123	1.18746	1.18885	1.16688	1.16980	
January	13	2022	277.11506	1.18765	1.18903	1.16707	1.16998	
January	14	2022	277.15890	1.18784	1.18922	1.16725	1.17017	
January	15	2022	277.20274	1.18803	1.18941	1.16744	1.17035	
January	16	2022	277.24658	1.18821	1.18960	1.16762	1.17054	
January	17	2022	277.29042	1.18840	1.18979	1.16780	1.17072	
January	18	2022	277.33426	1.18859	1.18997	1.16799	1.17091	
January	19	2022	277.37810	1.18878	1.19016	1.16817	1.17109	
January	20	2022	277.42194	1.18897	1.19035	1.16836	1.17128	
January	21	2022	277.46577	1.18915	1.19054	1.16854	1.17146	
January	22	2022	277.50961	1.18934	1.19073	1.16873	1.17165	
January	23	2022	277.55345	1.18953	1.19091	1.16891	1.17183	
January	24	2022	277.59729	1.18972	1.19110	1.16910	1.17202	
January	25	2022	277.64113	1.18990	1.19129	1.16928	1.17220	
January	26	2022	277.68497	1.19009	1.19148	1.16947	1.17239	
January	27	2022	277.72881	1.19028	1.19167	1.16965	1.17257	
January	28	2022	277.77265	1.19047	1.19186	1.16984	1.17276	
January	29	2022	277.81648	1.19066	1.19204	1.17002	1.17294	
January	30	2022	277.86032	1.19084	1.19223	1.17020	1.17313	
January	31	2022	277.90416	1.19103	1.19242	1.17039	1.17331	
CPI-U (NSA) for:			September 2021	274.31	October 2021	276.589	November 2021	277.948

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

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	0-3/8% 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
Maturity Date: Ref CPI on Dated Date:			February 15, 2045 235.48150	July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.17457	1.16634	1.16404	1.16732	
January 2 2022	276.63284	1.17475	1.16652	1.16422	1.16750	
January 3 2022	276.67668	1.17494	1.16670	1.16441	1.16769	
January 4 2022	276.72052	1.17513	1.16689	1.16459	1.16787	
January 5 2022	276.76435	1.17531	1.16707	1.16478	1.16806	
January 6 2022	276.80819	1.17550	1.16726	1.16496	1.16824	
January 7 2022	276.85203	1.17568	1.16744	1.16515	1.16843	
January 8 2022	276.89587	1.17587	1.16763	1.16533	1.16861	
January 9 2022	276.93971	1.17606	1.16781	1.16552	1.16880	
January 10 2022	276.98355	1.17624	1.16800	1.16570	1.16898	
January 11 2022	277.02739	1.17643	1.16818	1.16588	1.16917	
January 12 2022	277.07123	1.17662	1.16837	1.16607	1.16935	
January 13 2022	277.11506	1.17680	1.16855	1.16625	1.16954	
January 14 2022	277.15890	1.17699	1.16874	1.16644	1.16972	
January 15 2022	277.20274	1.17717	1.16892	1.16662	1.16991	
January 16 2022	277.24658	1.17736	1.16911	1.16681	1.17009	
January 17 2022	277.29042	1.17755	1.16929	1.16699	1.17028	
January 18 2022	277.33426	1.17773	1.16948	1.16718	1.17046	
January 19 2022	277.37810	1.17792	1.16966	1.16736	1.17065	
January 20 2022	277.42194	1.17811	1.16985	1.16755	1.17083	
January 21 2022	277.46577	1.17829	1.17003	1.16773	1.17102	
January 22 2022	277.50961	1.17848	1.17022	1.16791	1.17120	
January 23 2022	277.55345	1.17866	1.17040	1.16810	1.17139	
January 24 2022	277.59729	1.17885	1.17059	1.16828	1.17157	
January 25 2022	277.64113	1.17904	1.17077	1.16847	1.17176	
January 26 2022	277.68497	1.17922	1.17096	1.16865	1.17194	
January 27 2022	277.72881	1.17941	1.17114	1.16884	1.17213	
January 28 2022	277.77265	1.17959	1.17133	1.16902	1.17231	
January 29 2022	277.81648	1.17978	1.17151	1.16921	1.17250	
January 30 2022	277.86032	1.17997	1.17170	1.16939	1.17268	
January 31 2022	277.90416	1.18015	1.17188	1.16957	1.17287	
CPI-U (NSA) for:	September 2021	274.31	October 2021	276.589	November 2021	277.948

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

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 December 29, 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 2022	276.58900	1.15389	1.14502	1.14581	1.13731	
January 2 2022	276.63284	1.15407	1.14520	1.14599	1.13749	
January 3 2022	276.67668	1.15426	1.14538	1.14617	1.13767	
January 4 2022	276.72052	1.15444	1.14556	1.14635	1.13785	
January 5 2022	276.76435	1.15462	1.14574	1.14653	1.13803	
January 6 2022	276.80819	1.15480	1.14592	1.14671	1.13821	
January 7 2022	276.85203	1.15499	1.14610	1.14690	1.13839	
January 8 2022	276.89587	1.15517	1.14629	1.14708	1.13857	
January 9 2022	276.93971	1.15535	1.14647	1.14726	1.13875	
January 10 2022	276.98355	1.15554	1.14665	1.14744	1.13893	
January 11 2022	277.02739	1.15572	1.14683	1.14762	1.13911	
January 12 2022	277.07123	1.15590	1.14701	1.14780	1.13929	
January 13 2022	277.11506	1.15608	1.14719	1.14799	1.13947	
January 14 2022	277.15890	1.15627	1.14737	1.14817	1.13965	
January 15 2022	277.20274	1.15645	1.14756	1.14835	1.13983	
January 16 2022	277.24658	1.15663	1.14774	1.14853	1.14002	
January 17 2022	277.29042	1.15682	1.14792	1.14871	1.14020	
January 18 2022	277.33426	1.15700	1.14810	1.14889	1.14038	
January 19 2022	277.37810	1.15718	1.14828	1.14908	1.14056	
January 20 2022	277.42194	1.15737	1.14846	1.14926	1.14074	
January 21 2022	277.46577	1.15755	1.14865	1.14944	1.14092	
January 22 2022	277.50961	1.15773	1.14883	1.14962	1.14110	
January 23 2022	277.55345	1.15791	1.14901	1.14980	1.14128	
January 24 2022	277.59729	1.15810	1.14919	1.14998	1.14146	
January 25 2022	277.64113	1.15828	1.14937	1.15016	1.14164	
January 26 2022	277.68497	1.15846	1.14955	1.15035	1.14182	
January 27 2022	277.72881	1.15865	1.14973	1.15053	1.14200	
January 28 2022	277.77265	1.15883	1.14992	1.15071	1.14218	
January 29 2022	277.81648	1.15901	1.15010	1.15089	1.14236	
January 30 2022	277.86032	1.15919	1.15028	1.15107	1.14254	
January 31 2022	277.90416	1.15938	1.15046	1.15125	1.14272	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	

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):			0-3/8% 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 May 31, 2018	1% 30-Year TIPS TIPS of February 2048 912810SB5 February 15, 2018 February 28, 2018 June 29, 2018 October 31, 2018	0-5/8% 5-Year TIPS Series X-2023 9128284H0 April 15, 2018 April 30, 2018 August 31, 2018 December 31, 2018
Maturity Date: Ref CPI on Dated Date:			July 15, 2027 244.61839	January 15, 2028 246.66571	February 15, 2048 246.59650	April 15, 2023 248.39153
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.13070	1.12131	1.12163	1.11352	
January 2 2022	276.63284	1.13088	1.12149	1.12180	1.11370	
January 3 2022	276.67668	1.13105	1.12167	1.12198	1.11387	
January 4 2022	276.72052	1.13123	1.12184	1.12216	1.11405	
January 5 2022	276.76435	1.13141	1.12202	1.12234	1.11423	
January 6 2022	276.80819	1.13159	1.12220	1.12251	1.11440	
January 7 2022	276.85203	1.13177	1.12238	1.12269	1.11458	
January 8 2022	276.89587	1.13195	1.12256	1.12287	1.11476	
January 9 2022	276.93971	1.13213	1.12273	1.12305	1.11493	
January 10 2022	276.98355	1.13231	1.12291	1.12323	1.11511	
January 11 2022	277.02739	1.13249	1.12309	1.12340	1.11529	
January 12 2022	277.07123	1.13267	1.12327	1.12358	1.11546	
January 13 2022	277.11506	1.13285	1.12344	1.12376	1.11564	
January 14 2022	277.15890	1.13303	1.12362	1.12394	1.11581	
January 15 2022	277.20274	1.13320	1.12380	1.12411	1.11599	
January 16 2022	277.24658	1.13338	1.12398	1.12429	1.11617	
January 17 2022	277.29042	1.13356	1.12415	1.12447	1.11634	
January 18 2022	277.33426	1.13374	1.12433	1.12465	1.11652	
January 19 2022	277.37810	1.13392	1.12451	1.12483	1.11670	
January 20 2022	277.42194	1.13410	1.12469	1.12500	1.11687	
January 21 2022	277.46577	1.13428	1.12487	1.12518	1.11705	
January 22 2022	277.50961	1.13446	1.12504	1.12536	1.11723	
January 23 2022	277.55345	1.13464	1.12522	1.12554	1.11740	
January 24 2022	277.59729	1.13482	1.12540	1.12571	1.11758	
January 25 2022	277.64113	1.13500	1.12558	1.12589	1.11776	
January 26 2022	277.68497	1.13518	1.12575	1.12607	1.11793	
January 27 2022	277.72881	1.13536	1.12593	1.12625	1.11811	
January 28 2022	277.77265	1.13553	1.12611	1.12643	1.11829	
January 29 2022	277.81648	1.13571	1.12629	1.12660	1.11846	
January 30 2022	277.86032	1.13589	1.12647	1.12678	1.11864	
January 31 2022	277.90416	1.13607	1.12664	1.12696	1.11881	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	

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):			0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018	0-7/8% 10-Year TIPS Series A-2029 9128285W6 January 15, 2019 January 31, 2019 March 29, 2019 May 31, 2019	1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019	0-1/2% 5-Year TIPS Series X-2024 9128286N5 April 15, 2019 April 30, 2019 June 28, 2019
Maturity Date: Ref CPI on Dated Date:			July 15, 2028 251.01658	January 15, 2029 252.50248	February 15, 2049 251.63550	April 15, 2024 252.20853
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.10188	1.09539	1.09917	1.09667	
January 2 2022	276.63284	1.10205	1.09556	1.09934	1.09684	
January 3 2022	276.67668	1.10222	1.09574	1.09951	1.09702	
January 4 2022	276.72052	1.10240	1.09591	1.09969	1.09719	
January 5 2022	276.76435	1.10257	1.09609	1.09986	1.09736	
January 6 2022	276.80819	1.10275	1.09626	1.10004	1.09754	
January 7 2022	276.85203	1.10292	1.09643	1.10021	1.09771	
January 8 2022	276.89587	1.10310	1.09661	1.10038	1.09788	
January 9 2022	276.93971	1.10327	1.09678	1.10056	1.09806	
January 10 2022	276.98355	1.10345	1.09695	1.10073	1.09823	
January 11 2022	277.02739	1.10362	1.09713	1.10091	1.09841	
January 12 2022	277.07123	1.10380	1.09730	1.10108	1.09858	
January 13 2022	277.11506	1.10397	1.09747	1.10126	1.09875	
January 14 2022	277.15890	1.10415	1.09765	1.10143	1.09893	
January 15 2022	277.20274	1.10432	1.09782	1.10160	1.09910	
January 16 2022	277.24658	1.10450	1.09800	1.10178	1.09928	
January 17 2022	277.29042	1.10467	1.09817	1.10195	1.09945	
January 18 2022	277.33426	1.10484	1.09834	1.10213	1.09962	
January 19 2022	277.37810	1.10502	1.09852	1.10230	1.09980	
January 20 2022	277.42194	1.10519	1.09869	1.10248	1.09997	
January 21 2022	277.46577	1.10537	1.09886	1.10265	1.10014	
January 22 2022	277.50961	1.10554	1.09904	1.10282	1.10032	
January 23 2022	277.55345	1.10572	1.09921	1.10300	1.10049	
January 24 2022	277.59729	1.10589	1.09938	1.10317	1.10067	
January 25 2022	277.64113	1.10607	1.09956	1.10335	1.10084	
January 26 2022	277.68497	1.10624	1.09973	1.10352	1.10101	
January 27 2022	277.72881	1.10642	1.09991	1.10369	1.10119	
January 28 2022	277.77265	1.10659	1.10008	1.10387	1.10136	
January 29 2022	277.81648	1.10677	1.10025	1.10404	1.10153	
January 30 2022	277.86032	1.10694	1.10043	1.10422	1.10171	
January 31 2022	277.90416	1.10711	1.10060	1.10439	1.10188	
CPI-U (NSA) for:	September 2021	274.31	October 2021	276.589	November 2021	277.948

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):			0-1/4% 10-Year TIPS Series D-2029 9128287D6 July 15, 2019 July 31, 2019 September 30, 2019 November 29, 2019	0-1/8% 5-Year TIPS Series AE-2024 912828YL8 October 15, 2019 October 31, 2019 December 31, 2019	0-1/8% 10-Year TIPS Series A-2030 912828Z37 January 15, 2020 January 31, 2020 March 31, 2020 May 29, 2020	0-1/4% 30-Year TIPS TIPS of February 2050 912810SM1 February 15, 2020 February 28, 2020 August 31, 2020
Maturity Date: Ref CPI on Dated Date:			July 15, 2029 255.79368	October 15, 2024 256.56513	January 15, 2030 257.28368	February 15, 2050 257.09503
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.08130	1.07805	1.07504	1.07582	
January 2 2022	276.63284	1.08147	1.07822	1.07521	1.07599	
January 3 2022	276.67668	1.08164	1.07839	1.07538	1.07617	
January 4 2022	276.72052	1.08181	1.07856	1.07555	1.07634	
January 5 2022	276.76435	1.08198	1.07873	1.07572	1.07651	
January 6 2022	276.80819	1.08215	1.07890	1.07589	1.07668	
January 7 2022	276.85203	1.08233	1.07907	1.07606	1.07685	
January 8 2022	276.89587	1.08250	1.07924	1.07623	1.07702	
January 9 2022	276.93971	1.08267	1.07941	1.07640	1.07719	
January 10 2022	276.98355	1.08284	1.07958	1.07657	1.07736	
January 11 2022	277.02739	1.08301	1.07975	1.07674	1.07753	
January 12 2022	277.07123	1.08318	1.07993	1.07691	1.07770	
January 13 2022	277.11506	1.08335	1.08010	1.07708	1.07787	
January 14 2022	277.15890	1.08353	1.08027	1.07725	1.07804	
January 15 2022	277.20274	1.08370	1.08044	1.07742	1.07821	
January 16 2022	277.24658	1.08387	1.08061	1.07759	1.07838	
January 17 2022	277.29042	1.08404	1.08078	1.07776	1.07855	
January 18 2022	277.33426	1.08421	1.08095	1.07793	1.07872	
January 19 2022	277.37810	1.08438	1.08112	1.07810	1.07889	
January 20 2022	277.42194	1.08455	1.08129	1.07827	1.07906	
January 21 2022	277.46577	1.08472	1.08146	1.07844	1.07923	
January 22 2022	277.50961	1.08490	1.08163	1.07861	1.07940	
January 23 2022	277.55345	1.08507	1.08181	1.07878	1.07958	
January 24 2022	277.59729	1.08524	1.08198	1.07895	1.07975	
January 25 2022	277.64113	1.08541	1.08215	1.07912	1.07992	
January 26 2022	277.68497	1.08558	1.08232	1.07929	1.08009	
January 27 2022	277.72881	1.08575	1.08249	1.07947	1.08026	
January 28 2022	277.77265	1.08592	1.08266	1.07964	1.08043	
January 29 2022	277.81648	1.08610	1.08283	1.07981	1.08060	
January 30 2022	277.86032	1.08627	1.08300	1.07998	1.08077	
January 31 2022	277.90416	1.08644	1.08317	1.08015	1.08094	
CPI-U (NSA) for:	September 2021	274.31	October 2021	276.589	November 2021	277.948

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2025 912828ZJ2 April 15, 2020 April 30, 2020 June 30, 2020 July 13, 2020	0-1/8% 10-Year TIPS Series D-2030 912828ZZ6 July 15, 2020 July 31, 2020 September 30, 2020 November 30, 2020	0-1/8% 5-Year TIPS Series AE-2025 91282CAQ4 October 15, 2020 October 30, 2020 December 31, 2020	0-1/8% 10-Year TIPS Series A-2031 91282CBF7 January 15, 2021 January 29, 2021 March 31, 2021 May 28, 2021
Maturity Date: Ref CPI on Dated Date:			April 15, 2025 258.30093	July 15, 2030 256.39126	October 15, 2025 259.46997	January 15, 2031 260.31619
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.07080	1.07878	1.06598	1.06251	
January 2 2022	276.63284	1.07097	1.07895	1.06615	1.06268	
January 3 2022	276.67668	1.07114	1.07912	1.06631	1.06285	
January 4 2022	276.72052	1.07131	1.07929	1.06648	1.06302	
January 5 2022	276.76435	1.07148	1.07946	1.06665	1.06319	
January 6 2022	276.80819	1.07165	1.07963	1.06682	1.06335	
January 7 2022	276.85203	1.07182	1.07980	1.06699	1.06352	
January 8 2022	276.89587	1.07199	1.07997	1.06716	1.06369	
January 9 2022	276.93971	1.07216	1.08014	1.06733	1.06386	
January 10 2022	276.98355	1.07233	1.08032	1.06750	1.06403	
January 11 2022	277.02739	1.07250	1.08049	1.06767	1.06420	
January 12 2022	277.07123	1.07267	1.08066	1.06784	1.06436	
January 13 2022	277.11506	1.07284	1.08083	1.06800	1.06453	
January 14 2022	277.15890	1.07301	1.08100	1.06817	1.06470	
January 15 2022	277.20274	1.07318	1.08117	1.06834	1.06487	
January 16 2022	277.24658	1.07335	1.08134	1.06851	1.06504	
January 17 2022	277.29042	1.07352	1.08151	1.06868	1.06521	
January 18 2022	277.33426	1.07369	1.08168	1.06885	1.06537	
January 19 2022	277.37810	1.07386	1.08185	1.06902	1.06554	
January 20 2022	277.42194	1.07403	1.08203	1.06919	1.06571	
January 21 2022	277.46577	1.07420	1.08220	1.06936	1.06588	
January 22 2022	277.50961	1.07437	1.08237	1.06952	1.06605	
January 23 2022	277.55345	1.07454	1.08254	1.06969	1.06622	
January 24 2022	277.59729	1.07470	1.08271	1.06986	1.06639	
January 25 2022	277.64113	1.07487	1.08288	1.07003	1.06655	
January 26 2022	277.68497	1.07504	1.08305	1.07020	1.06672	
January 27 2022	277.72881	1.07521	1.08322	1.07037	1.06689	
January 28 2022	277.77265	1.07538	1.08339	1.07054	1.06706	
January 29 2022	277.81648	1.07555	1.08356	1.07071	1.06723	
January 30 2022	277.86032	1.07572	1.08374	1.07088	1.06740	
January 31 2022	277.90416	1.07589	1.08391	1.07105	1.06756	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
January 2022

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021	0-1/8% 5-Year TIPS Series X-2026 91282CCA7 April 15, 2021 April 30, 2021 June 30, 2021	0-1/8% 10-Year TIPS Series D-2031 91282CCM1 July 15, 2021 July 30, 2021 September 30, 2021 November 30, 2021	0-1/8% 5-Year TIPS Series AE-2026 91282CDC2 October 15, 2021 October 29, 2021
Maturity Date: Ref CPI on Dated Date:			February 15, 2051 260.35150	April 15, 2026 262.25027	July 15, 2031 268.02090	October 15, 2026 273.25771
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
January 1 2022	276.58900	1.06237	1.05468	1.03197	1.01219	
January 2 2022	276.63284	1.06254	1.05484	1.03213	1.01235	
January 3 2022	276.67668	1.06270	1.05501	1.03230	1.01251	
January 4 2022	276.72052	1.06287	1.05518	1.03246	1.01267	
January 5 2022	276.76435	1.06304	1.05534	1.03262	1.01283	
January 6 2022	276.80819	1.06321	1.05551	1.03279	1.01299	
January 7 2022	276.85203	1.06338	1.05568	1.03295	1.01315	
January 8 2022	276.89587	1.06355	1.05585	1.03311	1.01331	
January 9 2022	276.93971	1.06371	1.05601	1.03328	1.01347	
January 10 2022	276.98355	1.06388	1.05618	1.03344	1.01363	
January 11 2022	277.02739	1.06405	1.05635	1.03360	1.01380	
January 12 2022	277.07123	1.06422	1.05651	1.03377	1.01396	
January 13 2022	277.11506	1.06439	1.05668	1.03393	1.01412	
January 14 2022	277.15890	1.06456	1.05685	1.03409	1.01428	
January 15 2022	277.20274	1.06472	1.05702	1.03426	1.01444	
January 16 2022	277.24658	1.06489	1.05718	1.03442	1.01460	
January 17 2022	277.29042	1.06506	1.05735	1.03459	1.01476	
January 18 2022	277.33426	1.06523	1.05752	1.03475	1.01492	
January 19 2022	277.37810	1.06540	1.05768	1.03491	1.01508	
January 20 2022	277.42194	1.06557	1.05785	1.03508	1.01524	
January 21 2022	277.46577	1.06574	1.05802	1.03524	1.01540	
January 22 2022	277.50961	1.06590	1.05819	1.03540	1.01556	
January 23 2022	277.55345	1.06607	1.05835	1.03557	1.01572	
January 24 2022	277.59729	1.06624	1.05852	1.03573	1.01588	
January 25 2022	277.64113	1.06641	1.05869	1.03589	1.01604	
January 26 2022	277.68497	1.06658	1.05885	1.03606	1.01620	
January 27 2022	277.72881	1.06675	1.05902	1.03622	1.01636	
January 28 2022	277.77265	1.06691	1.05919	1.03638	1.01652	
January 29 2022	277.81648	1.06708	1.05936	1.03655	1.01668	
January 30 2022	277.86032	1.06725	1.05952	1.03671	1.01684	
January 31 2022	277.90416	1.06742	1.05969	1.03687	1.01700	
CPI-U (NSA) for:			September 2021 274.31	October 2021 276.589	November 2021 277.948	