

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2020

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: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				TIPS of April 2028 912810FD5 April 15, 1998 April 15, 1998 July 15, 1998	TIPS of April 2029 912810FH6 April 15, 1999 April 15, 1999 October 15, 1999 October 16, 2000	TIPS of April 2032 912810FQ6 October 15, 2001 October 15, 2001	TIPS of January 2025 912810FR4 July 15, 2004 July 30, 2004 January 31, 2005 July 29, 2005		
Maturity Date: Ref CPI on Dated Date:				April 15, 2028 161.74000	April 15, 2029 164.39333	April 15, 2032 177.50000	January 15, 2025 188.49677		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio		
May	1	2020	258.67800	1.59934	1.57353	1.45734	1.37232		
May	2	2020	258.65984	1.59923	1.57342	1.45724	1.37222		
May	3	2020	258.64168	1.59912	1.57331	1.45714	1.37213		
May	4	2020	258.62352	1.59901	1.57320	1.45703	1.37203		
May	5	2020	258.60535	1.59890	1.57309	1.45693	1.37194		
May	6	2020	258.58719	1.59878	1.57298	1.45683	1.37184		
May	7	2020	258.56903	1.59867	1.57287	1.45673	1.37174		
May	8	2020	258.55087	1.59856	1.57276	1.45662	1.37165		
May	9	2020	258.53271	1.59845	1.57265	1.45652	1.37155		
May	10	2020	258.51455	1.59833	1.57254	1.45642	1.37145		
May	11	2020	258.49639	1.59822	1.57243	1.45632	1.37136		
May	12	2020	258.47823	1.59811	1.57232	1.45622	1.37126		
May	13	2020	258.46006	1.59800	1.57221	1.45611	1.37116		
May	14	2020	258.44190	1.59788	1.57209	1.45601	1.37107		
May	15	2020	258.42374	1.59777	1.57198	1.45591	1.37097		
May	16	2020	258.40558	1.59766	1.57187	1.45581	1.37088		
May	17	2020	258.38742	1.59755	1.57176	1.45570	1.37078		
May	18	2020	258.36926	1.59744	1.57165	1.45560	1.37068		
May	19	2020	258.35110	1.59732	1.57154	1.45550	1.37059		
May	20	2020	258.33294	1.59721	1.57143	1.45540	1.37049		
May	21	2020	258.31477	1.59710	1.57132	1.45529	1.37039		
May	22	2020	258.29661	1.59699	1.57121	1.45519	1.37030		
May	23	2020	258.27845	1.59687	1.57110	1.45509	1.37020		
May	24	2020	258.26029	1.59676	1.57099	1.45499	1.37010		
May	25	2020	258.24213	1.59665	1.57088	1.45489	1.37001		
May	26	2020	258.22397	1.59654	1.57077	1.45478	1.36991		
May	27	2020	258.20581	1.59643	1.57066	1.45468	1.36982		
May	28	2020	258.18765	1.59631	1.57055	1.45458	1.36972		
May	29	2020	258.16948	1.59620	1.57044	1.45448	1.36962		
May	30	2020	258.15132	1.59609	1.57033	1.45437	1.36953		
May	31	2020	258.13316	1.59598	1.57022	1.45427	1.36943		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

May 2020

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): Maturity Date: Ref CPI on Dated Date:				2% 20-Year TIPS TIPS of January 2026 912810FS2 January 15, 2006 January 31, 2006 July 31, 2006 January 15, 2026 198.47742	2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007 January 15, 2027 201.66452	1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008 January 15, 2028 209.49645	2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009 January 15, 2029 214.69971		
Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio		
May	1	2020	258.67800	1.30331	1.28271	1.23476	1.20484		
May	2	2020	258.65984	1.30322	1.28262	1.23467	1.20475		
May	3	2020	258.64168	1.30313	1.28253	1.23459	1.20467		
May	4	2020	258.62352	1.30304	1.28244	1.23450	1.20458		
May	5	2020	258.60535	1.30295	1.28235	1.23441	1.20450		
May	6	2020	258.58719	1.30285	1.28226	1.23433	1.20441		
May	7	2020	258.56903	1.30276	1.28217	1.23424	1.20433		
May	8	2020	258.55087	1.30267	1.28208	1.23415	1.20424		
May	9	2020	258.53271	1.30258	1.28199	1.23407	1.20416		
May	10	2020	258.51455	1.30249	1.28190	1.23398	1.20407		
May	11	2020	258.49639	1.30240	1.28181	1.23389	1.20399		
May	12	2020	258.47823	1.30231	1.28172	1.23381	1.20391		
May	13	2020	258.46006	1.30221	1.28163	1.23372	1.20382		
May	14	2020	258.44190	1.30212	1.28154	1.23363	1.20374		
May	15	2020	258.42374	1.30203	1.28145	1.23355	1.20365		
May	16	2020	258.40558	1.30194	1.28136	1.23346	1.20357		
May	17	2020	258.38742	1.30185	1.28127	1.23337	1.20348		
May	18	2020	258.36926	1.30176	1.28118	1.23329	1.20340		
May	19	2020	258.35110	1.30166	1.28109	1.23320	1.20331		
May	20	2020	258.33294	1.30157	1.28100	1.23311	1.20323		
May	21	2020	258.31477	1.30148	1.28091	1.23303	1.20314		
May	22	2020	258.29661	1.30139	1.28082	1.23294	1.20306		
May	23	2020	258.27845	1.30130	1.28073	1.23285	1.20298		
May	24	2020	258.26029	1.30121	1.28064	1.23277	1.20289		
May	25	2020	258.24213	1.30112	1.28055	1.23268	1.20281		
May	26	2020	258.22397	1.30102	1.28046	1.23259	1.20272		
May	27	2020	258.20581	1.30093	1.28037	1.23251	1.20264		
May	28	2020	258.18765	1.30084	1.28028	1.23242	1.20255		
May	29	2020	258.16948	1.30075	1.28019	1.23233	1.20247		
May	30	2020	258.15132	1.30066	1.28010	1.23225	1.20238		
May	31	2020	258.13316	1.30057	1.28001	1.23216	1.20230		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

May 2020

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	
May	1	2020	258.67800	1.19681	1.18613	1.18251	1.18123		
May	2	2020	258.65984	1.19673	1.18605	1.18243	1.18114		
May	3	2020	258.64168	1.19664	1.18597	1.18235	1.18106		
May	4	2020	258.62352	1.19656	1.18588	1.18227	1.18098		
May	5	2020	258.60535	1.19647	1.18580	1.18218	1.18089		
May	6	2020	258.58719	1.19639	1.18572	1.18210	1.18081		
May	7	2020	258.56903	1.19631	1.18563	1.18202	1.18073		
May	8	2020	258.55087	1.19622	1.18555	1.18193	1.18065		
May	9	2020	258.53271	1.19614	1.18547	1.18185	1.18056		
May	10	2020	258.51455	1.19605	1.18538	1.18177	1.18048		
May	11	2020	258.49639	1.19597	1.18530	1.18168	1.18040		
May	12	2020	258.47823	1.19589	1.18522	1.18160	1.18031		
May	13	2020	258.46006	1.19580	1.18513	1.18152	1.18023		
May	14	2020	258.44190	1.19572	1.18505	1.18143	1.18015		
May	15	2020	258.42374	1.19563	1.18497	1.18135	1.18007		
May	16	2020	258.40558	1.19555	1.18488	1.18127	1.17998		
May	17	2020	258.38742	1.19547	1.18480	1.18119	1.17990		
May	18	2020	258.36926	1.19538	1.18472	1.18110	1.17982		
May	19	2020	258.35110	1.19530	1.18463	1.18102	1.17973		
May	20	2020	258.33294	1.19521	1.18455	1.18094	1.17965		
May	21	2020	258.31477	1.19513	1.18447	1.18085	1.17957		
May	22	2020	258.29661	1.19505	1.18438	1.18077	1.17949		
May	23	2020	258.27845	1.19496	1.18430	1.18069	1.17940		
May	24	2020	258.26029	1.19488	1.18422	1.18060	1.17932		
May	25	2020	258.24213	1.19479	1.18413	1.18052	1.17924		
May	26	2020	258.22397	1.19471	1.18405	1.18044	1.17915		
May	27	2020	258.20581	1.19463	1.18397	1.18036	1.17907		
May	28	2020	258.18765	1.19454	1.18388	1.18027	1.17899		
May	29	2020	258.16948	1.19446	1.18380	1.18019	1.17890		
May	30	2020	258.15132	1.19437	1.18372	1.18011	1.17882		
May	31	2020	258.13316	1.19429	1.18363	1.18002	1.17874		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

May 2020

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	
May	1	2020	258.67800	1.14772	1.14290	1.14479	1.12487		
May	2	2020	258.65984	1.14764	1.14282	1.14471	1.12479		
May	3	2020	258.64168	1.14756	1.14274	1.14463	1.12471		
May	4	2020	258.62352	1.14748	1.14266	1.14455	1.12463		
May	5	2020	258.60535	1.14740	1.14258	1.14447	1.12455		
May	6	2020	258.58719	1.14732	1.14250	1.14439	1.12447		
May	7	2020	258.56903	1.14724	1.14242	1.14431	1.12439		
May	8	2020	258.55087	1.14716	1.14234	1.14423	1.12431		
May	9	2020	258.53271	1.14708	1.14226	1.14415	1.12424		
May	10	2020	258.51455	1.14700	1.14218	1.14407	1.12416		
May	11	2020	258.49639	1.14692	1.14210	1.14399	1.12408		
May	12	2020	258.47823	1.14684	1.14202	1.14391	1.12400		
May	13	2020	258.46006	1.14676	1.14194	1.14383	1.12392		
May	14	2020	258.44190	1.14667	1.14186	1.14375	1.12384		
May	15	2020	258.42374	1.14659	1.14178	1.14367	1.12376		
May	16	2020	258.40558	1.14651	1.14170	1.14359	1.12368		
May	17	2020	258.38742	1.14643	1.14162	1.14351	1.12360		
May	18	2020	258.36926	1.14635	1.14154	1.14343	1.12353		
May	19	2020	258.35110	1.14627	1.14146	1.14335	1.12345		
May	20	2020	258.33294	1.14619	1.14138	1.14327	1.12337		
May	21	2020	258.31477	1.14611	1.14130	1.14318	1.12329		
May	22	2020	258.29661	1.14603	1.14122	1.14310	1.12321		
May	23	2020	258.27845	1.14595	1.14113	1.14302	1.12313		
May	24	2020	258.26029	1.14587	1.14105	1.14294	1.12305		
May	25	2020	258.24213	1.14579	1.14097	1.14286	1.12297		
May	26	2020	258.22397	1.14571	1.14089	1.14278	1.12289		
May	27	2020	258.20581	1.14563	1.14081	1.14270	1.12281		
May	28	2020	258.18765	1.14555	1.14073	1.14262	1.12274		
May	29	2020	258.16948	1.14547	1.14065	1.14254	1.12266		
May	30	2020	258.15132	1.14539	1.14057	1.14246	1.12258		
May	31	2020	258.13316	1.14530	1.14049	1.14238	1.12250		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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Ref CPI and Index Ratios for

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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-1/8% 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	0-5/8% 10-Year TIPS Series A-2024 912828B25 January 15, 2014 January 31, 2014 March 31, 2014 May 30, 2014		
Maturity Date: Ref CPI on Dated Date:				January 15, 2023 230.82203	February 15, 2043 229.91100	July 15, 2023 232.71797	January 15, 2024 233.33058		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May	1	2020	258.67800	1.12068	1.12512	1.11155	1.10863		
May	2	2020	258.65984	1.12060	1.12504	1.11147	1.10856		
May	3	2020	258.64168	1.12052	1.12496	1.11140	1.10848		
May	4	2020	258.62352	1.12045	1.12489	1.11132	1.10840		
May	5	2020	258.60535	1.12037	1.12481	1.11124	1.10832		
May	6	2020	258.58719	1.12029	1.12473	1.11116	1.10824		
May	7	2020	258.56903	1.12021	1.12465	1.11108	1.10817		
May	8	2020	258.55087	1.12013	1.12457	1.11101	1.10809		
May	9	2020	258.53271	1.12005	1.12449	1.11093	1.10801		
May	10	2020	258.51455	1.11997	1.12441	1.11085	1.10793		
May	11	2020	258.49639	1.11989	1.12433	1.11077	1.10785		
May	12	2020	258.47823	1.11982	1.12425	1.11069	1.10778		
May	13	2020	258.46006	1.11974	1.12417	1.11061	1.10770		
May	14	2020	258.44190	1.11966	1.12410	1.11054	1.10762		
May	15	2020	258.42374	1.11958	1.12402	1.11046	1.10754		
May	16	2020	258.40558	1.11950	1.12394	1.11038	1.10747		
May	17	2020	258.38742	1.11942	1.12386	1.11030	1.10739		
May	18	2020	258.36926	1.11934	1.12378	1.11022	1.10731		
May	19	2020	258.35110	1.11927	1.12370	1.11015	1.10723		
May	20	2020	258.33294	1.11919	1.12362	1.11007	1.10715		
May	21	2020	258.31477	1.11911	1.12354	1.10999	1.10708		
May	22	2020	258.29661	1.11903	1.12346	1.10991	1.10700		
May	23	2020	258.27845	1.11895	1.12338	1.10983	1.10692		
May	24	2020	258.26029	1.11887	1.12331	1.10976	1.10684		
May	25	2020	258.24213	1.11879	1.12323	1.10968	1.10677		
May	26	2020	258.22397	1.11871	1.12315	1.10960	1.10669		
May	27	2020	258.20581	1.11864	1.12307	1.10952	1.10661		
May	28	2020	258.18765	1.11856	1.12299	1.10944	1.10653		
May	29	2020	258.16948	1.11848	1.12291	1.10937	1.10645		
May	30	2020	258.15132	1.11840	1.12283	1.10929	1.10638		
May	31	2020	258.13316	1.11832	1.12275	1.10921	1.10630		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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Ref CPI and Index Ratios for

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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% 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		
Maturity Date: Ref CPI on Dated Date:				February 15, 2044 233.05900	July 15, 2024 237.44594	January 15, 2025 236.85403	February 15, 2045 235.48150		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May	1	2020	258.67800	1.10992	1.08942	1.09214	1.09851		
May	2	2020	258.65984	1.10985	1.08934	1.09206	1.09843		
May	3	2020	258.64168	1.10977	1.08927	1.09199	1.09835		
May	4	2020	258.62352	1.10969	1.08919	1.09191	1.09828		
May	5	2020	258.60535	1.10961	1.08911	1.09183	1.09820		
May	6	2020	258.58719	1.10954	1.08904	1.09176	1.09812		
May	7	2020	258.56903	1.10946	1.08896	1.09168	1.09804		
May	8	2020	258.55087	1.10938	1.08888	1.09160	1.09797		
May	9	2020	258.53271	1.10930	1.08881	1.09153	1.09789		
May	10	2020	258.51455	1.10922	1.08873	1.09145	1.09781		
May	11	2020	258.49639	1.10915	1.08865	1.09137	1.09774		
May	12	2020	258.47823	1.10907	1.08858	1.09130	1.09766		
May	13	2020	258.46006	1.10899	1.08850	1.09122	1.09758		
May	14	2020	258.44190	1.10891	1.08842	1.09114	1.09750		
May	15	2020	258.42374	1.10883	1.08835	1.09107	1.09743		
May	16	2020	258.40558	1.10876	1.08827	1.09099	1.09735		
May	17	2020	258.38742	1.10868	1.08819	1.09091	1.09727		
May	18	2020	258.36926	1.10860	1.08812	1.09084	1.09720		
May	19	2020	258.35110	1.10852	1.08804	1.09076	1.09712		
May	20	2020	258.33294	1.10844	1.08797	1.09068	1.09704		
May	21	2020	258.31477	1.10837	1.08789	1.09061	1.09696		
May	22	2020	258.29661	1.10829	1.08781	1.09053	1.09689		
May	23	2020	258.27845	1.10821	1.08774	1.09045	1.09681		
May	24	2020	258.26029	1.10813	1.08766	1.09038	1.09673		
May	25	2020	258.24213	1.10805	1.08758	1.09030	1.09666		
May	26	2020	258.22397	1.10798	1.08751	1.09022	1.09658		
May	27	2020	258.20581	1.10790	1.08743	1.09015	1.09650		
May	28	2020	258.18765	1.10782	1.08735	1.09007	1.09642		
May	29	2020	258.16948	1.10774	1.08728	1.08999	1.09635		
May	30	2020	258.15132	1.10767	1.08720	1.08992	1.09627		
May	31	2020	258.13316	1.10759	1.08712	1.08984	1.09619		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

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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	
May	1	2020	258.67800	1.09081	1.08866	1.09172	1.09144		
May	2	2020	258.65984	1.09073	1.08858	1.09165	1.09136		
May	3	2020	258.64168	1.09065	1.08851	1.09157	1.09128		
May	4	2020	258.62352	1.09058	1.08843	1.09149	1.09121		
May	5	2020	258.60535	1.09050	1.08835	1.09142	1.09113		
May	6	2020	258.58719	1.09042	1.08828	1.09134	1.09105		
May	7	2020	258.56903	1.09035	1.08820	1.09126	1.09098		
May	8	2020	258.55087	1.09027	1.08813	1.09119	1.09090		
May	9	2020	258.53271	1.09019	1.08805	1.09111	1.09082		
May	10	2020	258.51455	1.09012	1.08797	1.09103	1.09075		
May	11	2020	258.49639	1.09004	1.08790	1.09096	1.09067		
May	12	2020	258.47823	1.08996	1.08782	1.09088	1.09059		
May	13	2020	258.46006	1.08989	1.08774	1.09080	1.09052		
May	14	2020	258.44190	1.08981	1.08767	1.09073	1.09044		
May	15	2020	258.42374	1.08974	1.08759	1.09065	1.09036		
May	16	2020	258.40558	1.08966	1.08751	1.09057	1.09029		
May	17	2020	258.38742	1.08958	1.08744	1.09050	1.09021		
May	18	2020	258.36926	1.08951	1.08736	1.09042	1.09013		
May	19	2020	258.35110	1.08943	1.08728	1.09034	1.09006		
May	20	2020	258.33294	1.08935	1.08721	1.09027	1.08998		
May	21	2020	258.31477	1.08928	1.08713	1.09019	1.08990		
May	22	2020	258.29661	1.08920	1.08706	1.09011	1.08983		
May	23	2020	258.27845	1.08912	1.08698	1.09004	1.08975		
May	24	2020	258.26029	1.08905	1.08690	1.08996	1.08967		
May	25	2020	258.24213	1.08897	1.08683	1.08988	1.08960		
May	26	2020	258.22397	1.08889	1.08675	1.08981	1.08952		
May	27	2020	258.20581	1.08882	1.08667	1.08973	1.08944		
May	28	2020	258.18765	1.08874	1.08660	1.08965	1.08937		
May	29	2020	258.16948	1.08866	1.08652	1.08958	1.08929		
May	30	2020	258.15132	1.08859	1.08644	1.08950	1.08921		
May	31	2020	258.13316	1.08851	1.08637	1.08942	1.08914		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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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	
May	1	2020	258.67800	1.07917	1.07087	1.07161	1.06366		
May	2	2020	258.65984	1.07909	1.07079	1.07153	1.06359		
May	3	2020	258.64168	1.07902	1.07072	1.07146	1.06351		
May	4	2020	258.62352	1.07894	1.07064	1.07138	1.06344		
May	5	2020	258.60535	1.07886	1.07057	1.07131	1.06336		
May	6	2020	258.58719	1.07879	1.07049	1.07123	1.06329		
May	7	2020	258.56903	1.07871	1.07042	1.07116	1.06321		
May	8	2020	258.55087	1.07864	1.07034	1.07108	1.06314		
May	9	2020	258.53271	1.07856	1.07027	1.07101	1.06307		
May	10	2020	258.51455	1.07849	1.07019	1.07093	1.06299		
May	11	2020	258.49639	1.07841	1.07012	1.07086	1.06292		
May	12	2020	258.47823	1.07833	1.07004	1.07078	1.06284		
May	13	2020	258.46006	1.07826	1.06997	1.07070	1.06277		
May	14	2020	258.44190	1.07818	1.06989	1.07063	1.06269		
May	15	2020	258.42374	1.07811	1.06982	1.07055	1.06262		
May	16	2020	258.40558	1.07803	1.06974	1.07048	1.06254		
May	17	2020	258.38742	1.07796	1.06967	1.07040	1.06247		
May	18	2020	258.36926	1.07788	1.06959	1.07033	1.06239		
May	19	2020	258.35110	1.07780	1.06951	1.07025	1.06232		
May	20	2020	258.33294	1.07773	1.06944	1.07018	1.06224		
May	21	2020	258.31477	1.07765	1.06936	1.07010	1.06217		
May	22	2020	258.29661	1.07758	1.06929	1.07003	1.06209		
May	23	2020	258.27845	1.07750	1.06921	1.06995	1.06202		
May	24	2020	258.26029	1.07743	1.06914	1.06988	1.06195		
May	25	2020	258.24213	1.07735	1.06906	1.06980	1.06187		
May	26	2020	258.22397	1.07727	1.06899	1.06973	1.06180		
May	27	2020	258.20581	1.07720	1.06891	1.06965	1.06172		
May	28	2020	258.18765	1.07712	1.06884	1.06958	1.06165		
May	29	2020	258.16948	1.07705	1.06876	1.06950	1.06157		
May	30	2020	258.15132	1.07697	1.06869	1.06943	1.06150		
May	31	2020	258.13316	1.07690	1.06861	1.06935	1.06142		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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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	
May	1	2020	258.67800	1.05748	1.04870	1.04899	1.04141		
May	2	2020	258.65984	1.05740	1.04863	1.04892	1.04134		
May	3	2020	258.64168	1.05733	1.04855	1.04885	1.04127		
May	4	2020	258.62352	1.05725	1.04848	1.04877	1.04119		
May	5	2020	258.60535	1.05718	1.04840	1.04870	1.04112		
May	6	2020	258.58719	1.05710	1.04833	1.04862	1.04105		
May	7	2020	258.56903	1.05703	1.04826	1.04855	1.04097		
May	8	2020	258.55087	1.05696	1.04818	1.04848	1.04090		
May	9	2020	258.53271	1.05688	1.04811	1.04840	1.04083		
May	10	2020	258.51455	1.05681	1.04804	1.04833	1.04075		
May	11	2020	258.49639	1.05673	1.04796	1.04826	1.04068		
May	12	2020	258.47823	1.05666	1.04789	1.04818	1.04061		
May	13	2020	258.46006	1.05658	1.04782	1.04811	1.04053		
May	14	2020	258.44190	1.05651	1.04774	1.04804	1.04046		
May	15	2020	258.42374	1.05644	1.04767	1.04796	1.04039		
May	16	2020	258.40558	1.05636	1.04759	1.04789	1.04032		
May	17	2020	258.38742	1.05629	1.04752	1.04781	1.04024		
May	18	2020	258.36926	1.05621	1.04745	1.04774	1.04017		
May	19	2020	258.35110	1.05614	1.04737	1.04767	1.04010		
May	20	2020	258.33294	1.05607	1.04730	1.04759	1.04002		
May	21	2020	258.31477	1.05599	1.04723	1.04752	1.03995		
May	22	2020	258.29661	1.05592	1.04715	1.04745	1.03988		
May	23	2020	258.27845	1.05584	1.04708	1.04737	1.03980		
May	24	2020	258.26029	1.05577	1.04701	1.04730	1.03973		
May	25	2020	258.24213	1.05569	1.04693	1.04723	1.03966		
May	26	2020	258.22397	1.05562	1.04686	1.04715	1.03958		
May	27	2020	258.20581	1.05555	1.04678	1.04708	1.03951		
May	28	2020	258.18765	1.05547	1.04671	1.04700	1.03944		
May	29	2020	258.16948	1.05540	1.04664	1.04693	1.03937		
May	30	2020	258.15132	1.05532	1.04656	1.04686	1.03929		
May	31	2020	258.13316	1.05525	1.04649	1.04678	1.03922		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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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	
May	1	2020	258.67800	1.03052	1.02446	1.02799	1.02565		
May	2	2020	258.65984	1.03045	1.02439	1.02791	1.02558		
May	3	2020	258.64168	1.03038	1.02431	1.02784	1.02551		
May	4	2020	258.62352	1.03030	1.02424	1.02777	1.02544		
May	5	2020	258.60535	1.03023	1.02417	1.02770	1.02536		
May	6	2020	258.58719	1.03016	1.02410	1.02763	1.02529		
May	7	2020	258.56903	1.03009	1.02403	1.02755	1.02522		
May	8	2020	258.55087	1.03002	1.02395	1.02748	1.02515		
May	9	2020	258.53271	1.02994	1.02388	1.02741	1.02508		
May	10	2020	258.51455	1.02987	1.02381	1.02734	1.02500		
May	11	2020	258.49639	1.02980	1.02374	1.02727	1.02493		
May	12	2020	258.47823	1.02973	1.02367	1.02719	1.02486		
May	13	2020	258.46006	1.02965	1.02359	1.02712	1.02479		
May	14	2020	258.44190	1.02958	1.02352	1.02705	1.02472		
May	15	2020	258.42374	1.02951	1.02345	1.02698	1.02464		
May	16	2020	258.40558	1.02944	1.02338	1.02690	1.02457		
May	17	2020	258.38742	1.02936	1.02331	1.02683	1.02450		
May	18	2020	258.36926	1.02929	1.02323	1.02676	1.02443		
May	19	2020	258.35110	1.02922	1.02316	1.02669	1.02436		
May	20	2020	258.33294	1.02915	1.02309	1.02662	1.02428		
May	21	2020	258.31477	1.02907	1.02302	1.02654	1.02421		
May	22	2020	258.29661	1.02900	1.02295	1.02647	1.02414		
May	23	2020	258.27845	1.02893	1.02287	1.02640	1.02407		
May	24	2020	258.26029	1.02886	1.02280	1.02633	1.02400		
May	25	2020	258.24213	1.02879	1.02273	1.02625	1.02392		
May	26	2020	258.22397	1.02871	1.02266	1.02618	1.02385		
May	27	2020	258.20581	1.02864	1.02259	1.02611	1.02378		
May	28	2020	258.18765	1.02857	1.02252	1.02604	1.02371		
May	29	2020	258.16948	1.02850	1.02244	1.02597	1.02364		
May	30	2020	258.15132	1.02842	1.02237	1.02589	1.02356		
May	31	2020	258.13316	1.02835	1.02230	1.02582	1.02349		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115

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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	
May	1	2020	258.67800	1.01128	1.00824	1.00542	1.00616		
May	2	2020	258.65984	1.01120	1.00816	1.00535	1.00609		
May	3	2020	258.64168	1.01113	1.00809	1.00528	1.00602		
May	4	2020	258.62352	1.01106	1.00802	1.00521	1.00595		
May	5	2020	258.60535	1.01099	1.00795	1.00514	1.00587		
May	6	2020	258.58719	1.01092	1.00788	1.00507	1.00580		
May	7	2020	258.56903	1.01085	1.00781	1.00500	1.00573		
May	8	2020	258.55087	1.01078	1.00774	1.00493	1.00566		
May	9	2020	258.53271	1.01071	1.00767	1.00485	1.00559		
May	10	2020	258.51455	1.01064	1.00760	1.00478	1.00552		
May	11	2020	258.49639	1.01057	1.00753	1.00471	1.00545		
May	12	2020	258.47823	1.01049	1.00746	1.00464	1.00538		
May	13	2020	258.46006	1.01042	1.00739	1.00457	1.00531		
May	14	2020	258.44190	1.01035	1.00731	1.00450	1.00524		
May	15	2020	258.42374	1.01028	1.00724	1.00443	1.00517		
May	16	2020	258.40558	1.01021	1.00717	1.00436	1.00510		
May	17	2020	258.38742	1.01014	1.00710	1.00429	1.00503		
May	18	2020	258.36926	1.01007	1.00703	1.00422	1.00496		
May	19	2020	258.35110	1.01000	1.00696	1.00415	1.00489		
May	20	2020	258.33294	1.00993	1.00689	1.00408	1.00481		
May	21	2020	258.31477	1.00986	1.00682	1.00401	1.00474		
May	22	2020	258.29661	1.00978	1.00675	1.00394	1.00467		
May	23	2020	258.27845	1.00971	1.00668	1.00387	1.00460		
May	24	2020	258.26029	1.00964	1.00661	1.00380	1.00453		
May	25	2020	258.24213	1.00957	1.00654	1.00373	1.00446		
May	26	2020	258.22397	1.00950	1.00647	1.00365	1.00439		
May	27	2020	258.20581	1.00943	1.00639	1.00358	1.00432		
May	28	2020	258.18765	1.00936	1.00632	1.00351	1.00425		
May	29	2020	258.16948	1.00929	1.00625	1.00344	1.00418		
May	30	2020	258.15132	1.00922	1.00618	1.00337	1.00411		
May	31	2020	258.13316	1.00915	1.00611	1.00330	1.00404		
CPI-U (NSA) for:				January 2020	257.971	February 2020	258.678	March 2020	258.115