

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| 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 2023 | 301.83600 | 1.86618 | 1.83606 | 1.70048 | 1.60128 | |
| June 2 2023 | 301.88690 | 1.86649 | 1.83637 | 1.70077 | 1.60155 | |
| June 3 2023 | 301.93780 | 1.86681 | 1.83668 | 1.70106 | 1.60182 | |
| June 4 2023 | 301.98870 | 1.86712 | 1.83699 | 1.70134 | 1.60209 | |
| June 5 2023 | 302.03960 | 1.86744 | 1.83730 | 1.70163 | 1.60236 | |
| June 6 2023 | 302.09050 | 1.86775 | 1.83761 | 1.70192 | 1.60263 | |
| June 7 2023 | 302.14140 | 1.86807 | 1.83792 | 1.70221 | 1.60290 | |
| June 8 2023 | 302.19230 | 1.86838 | 1.83823 | 1.70249 | 1.60317 | |
| June 9 2023 | 302.24320 | 1.86870 | 1.83854 | 1.70278 | 1.60344 | |
| June 10 2023 | 302.29410 | 1.86901 | 1.83885 | 1.70307 | 1.60371 | |
| June 11 2023 | 302.34500 | 1.86933 | 1.83916 | 1.70335 | 1.60398 | |
| June 12 2023 | 302.39590 | 1.86964 | 1.83947 | 1.70364 | 1.60425 | |
| June 13 2023 | 302.44680 | 1.86996 | 1.83978 | 1.70393 | 1.60452 | |
| June 14 2023 | 302.49770 | 1.87027 | 1.84008 | 1.70421 | 1.60479 | |
| June 15 2023 | 302.54860 | 1.87059 | 1.84039 | 1.70450 | 1.60506 | |
| June 16 2023 | 302.59950 | 1.87090 | 1.84070 | 1.70479 | 1.60533 | |
| June 17 2023 | 302.65040 | 1.87122 | 1.84101 | 1.70507 | 1.60560 | |
| June 18 2023 | 302.70130 | 1.87153 | 1.84132 | 1.70536 | 1.60587 | |
| June 19 2023 | 302.75220 | 1.87184 | 1.84163 | 1.70565 | 1.60614 | |
| June 20 2023 | 302.80310 | 1.87216 | 1.84194 | 1.70593 | 1.60641 | |
| June 21 2023 | 302.85400 | 1.87247 | 1.84225 | 1.70622 | 1.60668 | |
| June 22 2023 | 302.90490 | 1.87279 | 1.84256 | 1.70651 | 1.60695 | |
| June 23 2023 | 302.95580 | 1.87310 | 1.84287 | 1.70679 | 1.60722 | |
| June 24 2023 | 303.00670 | 1.87342 | 1.84318 | 1.70708 | 1.60749 | |
| June 25 2023 | 303.05760 | 1.87373 | 1.84349 | 1.70737 | 1.60776 | |
| June 26 2023 | 303.10850 | 1.87405 | 1.84380 | 1.70765 | 1.60803 | |
| June 27 2023 | 303.15940 | 1.87436 | 1.84411 | 1.70794 | 1.60830 | |
| June 28 2023 | 303.21030 | 1.87468 | 1.84442 | 1.70823 | 1.60857 | |
| June 29 2023 | 303.26120 | 1.87499 | 1.84473 | 1.70851 | 1.60884 | |
| June 30 2023 | 303.31210 | 1.87531 | 1.84504 | 1.70880 | 1.60911 | |
| CPI-U (NSA) for: | | | February 2023 300.840 | March 2023 301.836 | April 2023 303.363 | |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
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June 2023

| 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 | |
| June 1 2023 | 301.83600 | 1.52076 | 1.49672 | 1.44077 | 1.40585 | |
| June 2 2023 | 301.88690 | 1.52101 | 1.49698 | 1.44101 | 1.40609 | |
| June 3 2023 | 301.93780 | 1.52127 | 1.49723 | 1.44125 | 1.40633 | |
| June 4 2023 | 301.98870 | 1.52153 | 1.49748 | 1.44150 | 1.40656 | |
| June 5 2023 | 302.03960 | 1.52178 | 1.49773 | 1.44174 | 1.40680 | |
| June 6 2023 | 302.09050 | 1.52204 | 1.49799 | 1.44198 | 1.40704 | |
| June 7 2023 | 302.14140 | 1.52230 | 1.49824 | 1.44223 | 1.40727 | |
| June 8 2023 | 302.19230 | 1.52255 | 1.49849 | 1.44247 | 1.40751 | |
| June 9 2023 | 302.24320 | 1.52281 | 1.49874 | 1.44271 | 1.40775 | |
| June 10 2023 | 302.29410 | 1.52307 | 1.49899 | 1.44296 | 1.40799 | |
| June 11 2023 | 302.34500 | 1.52332 | 1.49925 | 1.44320 | 1.40822 | |
| June 12 2023 | 302.39590 | 1.52358 | 1.49950 | 1.44344 | 1.40846 | |
| June 13 2023 | 302.44680 | 1.52383 | 1.49975 | 1.44368 | 1.40870 | |
| June 14 2023 | 302.49770 | 1.52409 | 1.50000 | 1.44393 | 1.40893 | |
| June 15 2023 | 302.54860 | 1.52435 | 1.50026 | 1.44417 | 1.40917 | |
| June 16 2023 | 302.59950 | 1.52460 | 1.50051 | 1.44441 | 1.40941 | |
| June 17 2023 | 302.65040 | 1.52486 | 1.50076 | 1.44466 | 1.40965 | |
| June 18 2023 | 302.70130 | 1.52512 | 1.50101 | 1.44490 | 1.40988 | |
| June 19 2023 | 302.75220 | 1.52537 | 1.50127 | 1.44514 | 1.41012 | |
| June 20 2023 | 302.80310 | 1.52563 | 1.50152 | 1.44539 | 1.41036 | |
| June 21 2023 | 302.85400 | 1.52589 | 1.50177 | 1.44563 | 1.41059 | |
| June 22 2023 | 302.90490 | 1.52614 | 1.50202 | 1.44587 | 1.41083 | |
| June 23 2023 | 302.95580 | 1.52640 | 1.50228 | 1.44611 | 1.41107 | |
| June 24 2023 | 303.00670 | 1.52666 | 1.50253 | 1.44636 | 1.41130 | |
| June 25 2023 | 303.05760 | 1.52691 | 1.50278 | 1.44660 | 1.41154 | |
| June 26 2023 | 303.10850 | 1.52717 | 1.50303 | 1.44684 | 1.41178 | |
| June 27 2023 | 303.15940 | 1.52743 | 1.50329 | 1.44709 | 1.41202 | |
| June 28 2023 | 303.21030 | 1.52768 | 1.50354 | 1.44733 | 1.41225 | |
| June 29 2023 | 303.26120 | 1.52794 | 1.50379 | 1.44757 | 1.41249 | |
| June 30 2023 | 303.31210 | 1.52819 | 1.50404 | 1.44781 | 1.41273 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| 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 | 0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012 | 0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013 |
|--|----------------------|----------------|--|--|--|--|
| Maturity Date: Ref CPI on Dated Date: | | | February 15, 2040 216.13950 | February 15, 2041 218.99100 | February 15, 2042 225.96062 | February 15, 2043 229.91100 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.39649 | 1.37830 | 1.33579 | 1.31284 | |
| June 2 2023 | 301.88690 | 1.39672 | 1.37854 | 1.33602 | 1.31306 | |
| June 3 2023 | 301.93780 | 1.39696 | 1.37877 | 1.33624 | 1.31328 | |
| June 4 2023 | 301.98870 | 1.39719 | 1.37900 | 1.33647 | 1.31350 | |
| June 5 2023 | 302.03960 | 1.39743 | 1.37923 | 1.33669 | 1.31372 | |
| June 6 2023 | 302.09050 | 1.39766 | 1.37947 | 1.33692 | 1.31395 | |
| June 7 2023 | 302.14140 | 1.39790 | 1.37970 | 1.33714 | 1.31417 | |
| June 8 2023 | 302.19230 | 1.39814 | 1.37993 | 1.33737 | 1.31439 | |
| June 9 2023 | 302.24320 | 1.39837 | 1.38016 | 1.33759 | 1.31461 | |
| June 10 2023 | 302.29410 | 1.39861 | 1.38040 | 1.33782 | 1.31483 | |
| June 11 2023 | 302.34500 | 1.39884 | 1.38063 | 1.33804 | 1.31505 | |
| June 12 2023 | 302.39590 | 1.39908 | 1.38086 | 1.33827 | 1.31527 | |
| June 13 2023 | 302.44680 | 1.39931 | 1.38109 | 1.33849 | 1.31550 | |
| June 14 2023 | 302.49770 | 1.39955 | 1.38132 | 1.33872 | 1.31572 | |
| June 15 2023 | 302.54860 | 1.39978 | 1.38156 | 1.33894 | 1.31594 | |
| June 16 2023 | 302.59950 | 1.40002 | 1.38179 | 1.33917 | 1.31616 | |
| June 17 2023 | 302.65040 | 1.40025 | 1.38202 | 1.33939 | 1.31638 | |
| June 18 2023 | 302.70130 | 1.40049 | 1.38225 | 1.33962 | 1.31660 | |
| June 19 2023 | 302.75220 | 1.40073 | 1.38249 | 1.33984 | 1.31682 | |
| June 20 2023 | 302.80310 | 1.40096 | 1.38272 | 1.34007 | 1.31704 | |
| June 21 2023 | 302.85400 | 1.40120 | 1.38295 | 1.34030 | 1.31727 | |
| June 22 2023 | 302.90490 | 1.40143 | 1.38318 | 1.34052 | 1.31749 | |
| June 23 2023 | 302.95580 | 1.40167 | 1.38342 | 1.34075 | 1.31771 | |
| June 24 2023 | 303.00670 | 1.40190 | 1.38365 | 1.34097 | 1.31793 | |
| June 25 2023 | 303.05760 | 1.40214 | 1.38388 | 1.34120 | 1.31815 | |
| June 26 2023 | 303.10850 | 1.40237 | 1.38411 | 1.34142 | 1.31837 | |
| June 27 2023 | 303.15940 | 1.40261 | 1.38435 | 1.34165 | 1.31859 | |
| June 28 2023 | 303.21030 | 1.40285 | 1.38458 | 1.34187 | 1.31882 | |
| June 29 2023 | 303.26120 | 1.40308 | 1.38481 | 1.34210 | 1.31904 | |
| June 30 2023 | 303.31210 | 1.40332 | 1.38504 | 1.34232 | 1.31926 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

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Ref CPI and Index Ratios for
June 2023

| 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% 10-Year TIPS Series D-2024 912828WU0 July 15, 2014 July 31, 2014 September 30, 2014 November 28, 2014 |
|--|----------------------|----------------|--|---|--|--|
| Maturity Date: Ref CPI on Dated Date: | | | July 15, 2023 232.71797 | January 15, 2024 233.33058 | February 15, 2044 233.05900 | July 15, 2024 237.44594 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.29700 | 1.29360 | 1.29511 | 1.27118 | |
| June 2 2023 | 301.88690 | 1.29722 | 1.29382 | 1.29532 | 1.27139 | |
| June 3 2023 | 301.93780 | 1.29744 | 1.29403 | 1.29554 | 1.27161 | |
| June 4 2023 | 301.98870 | 1.29766 | 1.29425 | 1.29576 | 1.27182 | |
| June 5 2023 | 302.03960 | 1.29788 | 1.29447 | 1.29598 | 1.27204 | |
| June 6 2023 | 302.09050 | 1.29810 | 1.29469 | 1.29620 | 1.27225 | |
| June 7 2023 | 302.14140 | 1.29832 | 1.29491 | 1.29642 | 1.27246 | |
| June 8 2023 | 302.19230 | 1.29853 | 1.29513 | 1.29663 | 1.27268 | |
| June 9 2023 | 302.24320 | 1.29875 | 1.29534 | 1.29685 | 1.27289 | |
| June 10 2023 | 302.29410 | 1.29897 | 1.29556 | 1.29707 | 1.27311 | |
| June 11 2023 | 302.34500 | 1.29919 | 1.29578 | 1.29729 | 1.27332 | |
| June 12 2023 | 302.39590 | 1.29941 | 1.29600 | 1.29751 | 1.27354 | |
| June 13 2023 | 302.44680 | 1.29963 | 1.29622 | 1.29773 | 1.27375 | |
| June 14 2023 | 302.49770 | 1.29985 | 1.29643 | 1.29794 | 1.27396 | |
| June 15 2023 | 302.54860 | 1.30007 | 1.29665 | 1.29816 | 1.27418 | |
| June 16 2023 | 302.59950 | 1.30028 | 1.29687 | 1.29838 | 1.27439 | |
| June 17 2023 | 302.65040 | 1.30050 | 1.29709 | 1.29860 | 1.27461 | |
| June 18 2023 | 302.70130 | 1.30072 | 1.29731 | 1.29882 | 1.27482 | |
| June 19 2023 | 302.75220 | 1.30094 | 1.29752 | 1.29904 | 1.27504 | |
| June 20 2023 | 302.80310 | 1.30116 | 1.29774 | 1.29926 | 1.27525 | |
| June 21 2023 | 302.85400 | 1.30138 | 1.29796 | 1.29947 | 1.27547 | |
| June 22 2023 | 302.90490 | 1.30160 | 1.29818 | 1.29969 | 1.27568 | |
| June 23 2023 | 302.95580 | 1.30182 | 1.29840 | 1.29991 | 1.27589 | |
| June 24 2023 | 303.00670 | 1.30203 | 1.29862 | 1.30013 | 1.27611 | |
| June 25 2023 | 303.05760 | 1.30225 | 1.29883 | 1.30035 | 1.27632 | |
| June 26 2023 | 303.10850 | 1.30247 | 1.29905 | 1.30057 | 1.27654 | |
| June 27 2023 | 303.15940 | 1.30269 | 1.29927 | 1.30078 | 1.27675 | |
| June 28 2023 | 303.21030 | 1.30291 | 1.29949 | 1.30100 | 1.27697 | |
| June 29 2023 | 303.26120 | 1.30313 | 1.29971 | 1.30122 | 1.27718 | |
| June 30 2023 | 303.31210 | 1.30335 | 1.29992 | 1.30144 | 1.27739 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 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 | 0-3/8% 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: | | | January 15, 2025 236.85403 | February 15, 2045 235.48150 | July 15, 2025 237.14365 | January 15, 2026 237.61129 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.27435 | 1.28178 | 1.27280 | 1.27029 | |
| June 2 2023 | 301.88690 | 1.27457 | 1.28200 | 1.27301 | 1.27051 | |
| June 3 2023 | 301.93780 | 1.27478 | 1.28221 | 1.27323 | 1.27072 | |
| June 4 2023 | 301.98870 | 1.27500 | 1.28243 | 1.27344 | 1.27094 | |
| June 5 2023 | 302.03960 | 1.27521 | 1.28265 | 1.27366 | 1.27115 | |
| June 6 2023 | 302.09050 | 1.27543 | 1.28286 | 1.27387 | 1.27136 | |
| June 7 2023 | 302.14140 | 1.27564 | 1.28308 | 1.27409 | 1.27158 | |
| June 8 2023 | 302.19230 | 1.27586 | 1.28330 | 1.27430 | 1.27179 | |
| June 9 2023 | 302.24320 | 1.27607 | 1.28351 | 1.27452 | 1.27201 | |
| June 10 2023 | 302.29410 | 1.27629 | 1.28373 | 1.27473 | 1.27222 | |
| June 11 2023 | 302.34500 | 1.27650 | 1.28394 | 1.27494 | 1.27244 | |
| June 12 2023 | 302.39590 | 1.27672 | 1.28416 | 1.27516 | 1.27265 | |
| June 13 2023 | 302.44680 | 1.27693 | 1.28438 | 1.27537 | 1.27286 | |
| June 14 2023 | 302.49770 | 1.27715 | 1.28459 | 1.27559 | 1.27308 | |
| June 15 2023 | 302.54860 | 1.27736 | 1.28481 | 1.27580 | 1.27329 | |
| June 16 2023 | 302.59950 | 1.27758 | 1.28502 | 1.27602 | 1.27351 | |
| June 17 2023 | 302.65040 | 1.27779 | 1.28524 | 1.27623 | 1.27372 | |
| June 18 2023 | 302.70130 | 1.27801 | 1.28546 | 1.27645 | 1.27393 | |
| June 19 2023 | 302.75220 | 1.27822 | 1.28567 | 1.27666 | 1.27415 | |
| June 20 2023 | 302.80310 | 1.27844 | 1.28589 | 1.27688 | 1.27436 | |
| June 21 2023 | 302.85400 | 1.27865 | 1.28611 | 1.27709 | 1.27458 | |
| June 22 2023 | 302.90490 | 1.27887 | 1.28632 | 1.27731 | 1.27479 | |
| June 23 2023 | 302.95580 | 1.27908 | 1.28654 | 1.27752 | 1.27501 | |
| June 24 2023 | 303.00670 | 1.27930 | 1.28675 | 1.27773 | 1.27522 | |
| June 25 2023 | 303.05760 | 1.27951 | 1.28697 | 1.27795 | 1.27543 | |
| June 26 2023 | 303.10850 | 1.27973 | 1.28719 | 1.27816 | 1.27565 | |
| June 27 2023 | 303.15940 | 1.27994 | 1.28740 | 1.27838 | 1.27586 | |
| June 28 2023 | 303.21030 | 1.28016 | 1.28762 | 1.27859 | 1.27608 | |
| June 29 2023 | 303.26120 | 1.28037 | 1.28783 | 1.27881 | 1.27629 | |
| June 30 2023 | 303.31210 | 1.28059 | 1.28805 | 1.27902 | 1.27651 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| 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% 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 |
|--|----------------------|----------------|--|--|---|--|
| Maturity Date: Ref CPI on Dated Date: | | | February 15, 2046 236.94448 | July 15, 2026 239.70132 | January 15, 2027 241.55919 | February 15, 2047 241.39250 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.27387 | 1.25922 | 1.24953 | 1.25040 | |
| June 2 2023 | 301.88690 | 1.27408 | 1.25943 | 1.24974 | 1.25061 | |
| June 3 2023 | 301.93780 | 1.27430 | 1.25964 | 1.24995 | 1.25082 | |
| June 4 2023 | 301.98870 | 1.27451 | 1.25985 | 1.25016 | 1.25103 | |
| June 5 2023 | 302.03960 | 1.27473 | 1.26007 | 1.25038 | 1.25124 | |
| June 6 2023 | 302.09050 | 1.27494 | 1.26028 | 1.25059 | 1.25145 | |
| June 7 2023 | 302.14140 | 1.27516 | 1.26049 | 1.25080 | 1.25166 | |
| June 8 2023 | 302.19230 | 1.27537 | 1.26070 | 1.25101 | 1.25187 | |
| June 9 2023 | 302.24320 | 1.27559 | 1.26092 | 1.25122 | 1.25208 | |
| June 10 2023 | 302.29410 | 1.27580 | 1.26113 | 1.25143 | 1.25229 | |
| June 11 2023 | 302.34500 | 1.27602 | 1.26134 | 1.25164 | 1.25250 | |
| June 12 2023 | 302.39590 | 1.27623 | 1.26155 | 1.25185 | 1.25271 | |
| June 13 2023 | 302.44680 | 1.27645 | 1.26177 | 1.25206 | 1.25293 | |
| June 14 2023 | 302.49770 | 1.27666 | 1.26198 | 1.25227 | 1.25314 | |
| June 15 2023 | 302.54860 | 1.27688 | 1.26219 | 1.25248 | 1.25335 | |
| June 16 2023 | 302.59950 | 1.27709 | 1.26240 | 1.25269 | 1.25356 | |
| June 17 2023 | 302.65040 | 1.27731 | 1.26261 | 1.25290 | 1.25377 | |
| June 18 2023 | 302.70130 | 1.27752 | 1.26283 | 1.25311 | 1.25398 | |
| June 19 2023 | 302.75220 | 1.27773 | 1.26304 | 1.25333 | 1.25419 | |
| June 20 2023 | 302.80310 | 1.27795 | 1.26325 | 1.25354 | 1.25440 | |
| June 21 2023 | 302.85400 | 1.27816 | 1.26346 | 1.25375 | 1.25461 | |
| June 22 2023 | 302.90490 | 1.27838 | 1.26368 | 1.25396 | 1.25482 | |
| June 23 2023 | 302.95580 | 1.27859 | 1.26389 | 1.25417 | 1.25503 | |
| June 24 2023 | 303.00670 | 1.27881 | 1.26410 | 1.25438 | 1.25524 | |
| June 25 2023 | 303.05760 | 1.27902 | 1.26431 | 1.25459 | 1.25546 | |
| June 26 2023 | 303.10850 | 1.27924 | 1.26453 | 1.25480 | 1.25567 | |
| June 27 2023 | 303.15940 | 1.27945 | 1.26474 | 1.25501 | 1.25588 | |
| June 28 2023 | 303.21030 | 1.27967 | 1.26495 | 1.25522 | 1.25609 | |
| June 29 2023 | 303.26120 | 1.27988 | 1.26516 | 1.25543 | 1.25630 | |
| June 30 2023 | 303.31210 | 1.28010 | 1.26538 | 1.25564 | 1.25651 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| 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 | 0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018 |
|--|-----------|-------------|--|---|--|--|
| Maturity Date: Ref CPI on Dated Date: | | | July 15, 2027 244.61839 | January 15, 2028 246.66571 | February 15, 2048 246.59650 | July 15, 2028 251.01658 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.23391 | 1.22366 | 1.22401 | 1.20245 | |
| June 2 2023 | 301.88690 | 1.23411 | 1.22387 | 1.22421 | 1.20266 | |
| June 3 2023 | 301.93780 | 1.23432 | 1.22408 | 1.22442 | 1.20286 | |
| June 4 2023 | 301.98870 | 1.23453 | 1.22428 | 1.22463 | 1.20306 | |
| June 5 2023 | 302.03960 | 1.23474 | 1.22449 | 1.22483 | 1.20327 | |
| June 6 2023 | 302.09050 | 1.23495 | 1.22470 | 1.22504 | 1.20347 | |
| June 7 2023 | 302.14140 | 1.23515 | 1.22490 | 1.22525 | 1.20367 | |
| June 8 2023 | 302.19230 | 1.23536 | 1.22511 | 1.22545 | 1.20387 | |
| June 9 2023 | 302.24320 | 1.23557 | 1.22532 | 1.22566 | 1.20408 | |
| June 10 2023 | 302.29410 | 1.23578 | 1.22552 | 1.22587 | 1.20428 | |
| June 11 2023 | 302.34500 | 1.23599 | 1.22573 | 1.22607 | 1.20448 | |
| June 12 2023 | 302.39590 | 1.23619 | 1.22593 | 1.22628 | 1.20468 | |
| June 13 2023 | 302.44680 | 1.23640 | 1.22614 | 1.22648 | 1.20489 | |
| June 14 2023 | 302.49770 | 1.23661 | 1.22635 | 1.22669 | 1.20509 | |
| June 15 2023 | 302.54860 | 1.23682 | 1.22655 | 1.22690 | 1.20529 | |
| June 16 2023 | 302.59950 | 1.23703 | 1.22676 | 1.22710 | 1.20550 | |
| June 17 2023 | 302.65040 | 1.23723 | 1.22697 | 1.22731 | 1.20570 | |
| June 18 2023 | 302.70130 | 1.23744 | 1.22717 | 1.22752 | 1.20590 | |
| June 19 2023 | 302.75220 | 1.23765 | 1.22738 | 1.22772 | 1.20610 | |
| June 20 2023 | 302.80310 | 1.23786 | 1.22758 | 1.22793 | 1.20631 | |
| June 21 2023 | 302.85400 | 1.23807 | 1.22779 | 1.22814 | 1.20651 | |
| June 22 2023 | 302.90490 | 1.23828 | 1.22800 | 1.22834 | 1.20671 | |
| June 23 2023 | 302.95580 | 1.23848 | 1.22820 | 1.22855 | 1.20692 | |
| June 24 2023 | 303.00670 | 1.23869 | 1.22841 | 1.22876 | 1.20712 | |
| June 25 2023 | 303.05760 | 1.23890 | 1.22862 | 1.22896 | 1.20732 | |
| June 26 2023 | 303.10850 | 1.23911 | 1.22882 | 1.22917 | 1.20752 | |
| June 27 2023 | 303.15940 | 1.23932 | 1.22903 | 1.22937 | 1.20773 | |
| June 28 2023 | 303.21030 | 1.23952 | 1.22924 | 1.22958 | 1.20793 | |
| June 29 2023 | 303.26120 | 1.23973 | 1.22944 | 1.22979 | 1.20813 | |
| June 30 2023 | 303.31210 | 1.23994 | 1.22965 | 1.22999 | 1.20833 | |
| CPI-U (NSA) for: | | | February 2023 300.840 | March 2023 301.836 | April 2023 303.363 | |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 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 | 0-1/4% 10-Year TIPS Series D-2029 9128287D6 July 15, 2019 July 31, 2019 September 30, 2019 November 29, 2019 |
|--|----------------------|----------------|---|--|---|--|
| Maturity Date: Ref CPI on Dated Date: | | | January 15, 2029 252.50248 | February 15, 2049 251.63550 | April 15, 2024 252.20853 | July 15, 2029 255.79368 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.19538 | 1.19950 | 1.19677 | 1.18000 | |
| June 2 2023 | 301.88690 | 1.19558 | 1.19970 | 1.19697 | 1.18020 | |
| June 3 2023 | 301.93780 | 1.19578 | 1.19990 | 1.19718 | 1.18040 | |
| June 4 2023 | 301.98870 | 1.19598 | 1.20010 | 1.19738 | 1.18059 | |
| June 5 2023 | 302.03960 | 1.19618 | 1.20031 | 1.19758 | 1.18079 | |
| June 6 2023 | 302.09050 | 1.19639 | 1.20051 | 1.19778 | 1.18099 | |
| June 7 2023 | 302.14140 | 1.19659 | 1.20071 | 1.19798 | 1.18119 | |
| June 8 2023 | 302.19230 | 1.19679 | 1.20091 | 1.19818 | 1.18139 | |
| June 9 2023 | 302.24320 | 1.19699 | 1.20112 | 1.19839 | 1.18159 | |
| June 10 2023 | 302.29410 | 1.19719 | 1.20132 | 1.19859 | 1.18179 | |
| June 11 2023 | 302.34500 | 1.19739 | 1.20152 | 1.19879 | 1.18199 | |
| June 12 2023 | 302.39590 | 1.19760 | 1.20172 | 1.19899 | 1.18219 | |
| June 13 2023 | 302.44680 | 1.19780 | 1.20192 | 1.19919 | 1.18239 | |
| June 14 2023 | 302.49770 | 1.19800 | 1.20213 | 1.19940 | 1.18258 | |
| June 15 2023 | 302.54860 | 1.19820 | 1.20233 | 1.19960 | 1.18278 | |
| June 16 2023 | 302.59950 | 1.19840 | 1.20253 | 1.19980 | 1.18298 | |
| June 17 2023 | 302.65040 | 1.19860 | 1.20273 | 1.20000 | 1.18318 | |
| June 18 2023 | 302.70130 | 1.19881 | 1.20294 | 1.20020 | 1.18338 | |
| June 19 2023 | 302.75220 | 1.19901 | 1.20314 | 1.20040 | 1.18358 | |
| June 20 2023 | 302.80310 | 1.19921 | 1.20334 | 1.20061 | 1.18378 | |
| June 21 2023 | 302.85400 | 1.19941 | 1.20354 | 1.20081 | 1.18398 | |
| June 22 2023 | 302.90490 | 1.19961 | 1.20374 | 1.20101 | 1.18418 | |
| June 23 2023 | 302.95580 | 1.19981 | 1.20395 | 1.20121 | 1.18438 | |
| June 24 2023 | 303.00670 | 1.20001 | 1.20415 | 1.20141 | 1.18457 | |
| June 25 2023 | 303.05760 | 1.20022 | 1.20435 | 1.20162 | 1.18477 | |
| June 26 2023 | 303.10850 | 1.20042 | 1.20455 | 1.20182 | 1.18497 | |
| June 27 2023 | 303.15940 | 1.20062 | 1.20476 | 1.20202 | 1.18517 | |
| June 28 2023 | 303.21030 | 1.20082 | 1.20496 | 1.20222 | 1.18537 | |
| June 29 2023 | 303.26120 | 1.20102 | 1.20516 | 1.20242 | 1.18557 | |
| June 30 2023 | 303.31210 | 1.20122 | 1.20536 | 1.20262 | 1.18577 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 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 912828ZJ7 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 | 0-1/8% 5-Year TIPS Series X-2025 912828ZJ2 April 15, 2020 April 30, 2020 June 30, 2020 July 13, 2020 |
|--|----------------------|----------------|--|---|--|--|
| Maturity Date: Ref CPI on Dated Date: | | | October 15, 2024 256.56513 | January 15, 2030 257.28368 | February 15, 2050 257.09503 | April 15, 2025 258.30093 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.17645 | 1.17316 | 1.17403 | 1.16854 | |
| June 2 2023 | 301.88690 | 1.17665 | 1.17336 | 1.17422 | 1.16874 | |
| June 3 2023 | 301.93780 | 1.17685 | 1.17356 | 1.17442 | 1.16894 | |
| June 4 2023 | 301.98870 | 1.17704 | 1.17376 | 1.17462 | 1.16914 | |
| June 5 2023 | 302.03960 | 1.17724 | 1.17396 | 1.17482 | 1.16933 | |
| June 6 2023 | 302.09050 | 1.17744 | 1.17415 | 1.17501 | 1.16953 | |
| June 7 2023 | 302.14140 | 1.17764 | 1.17435 | 1.17521 | 1.16973 | |
| June 8 2023 | 302.19230 | 1.17784 | 1.17455 | 1.17541 | 1.16992 | |
| June 9 2023 | 302.24320 | 1.17804 | 1.17475 | 1.17561 | 1.17012 | |
| June 10 2023 | 302.29410 | 1.17824 | 1.17494 | 1.17581 | 1.17032 | |
| June 11 2023 | 302.34500 | 1.17843 | 1.17514 | 1.17600 | 1.17051 | |
| June 12 2023 | 302.39590 | 1.17863 | 1.17534 | 1.17620 | 1.17071 | |
| June 13 2023 | 302.44680 | 1.17883 | 1.17554 | 1.17640 | 1.17091 | |
| June 14 2023 | 302.49770 | 1.17903 | 1.17574 | 1.17660 | 1.17111 | |
| June 15 2023 | 302.54860 | 1.17923 | 1.17593 | 1.17680 | 1.17130 | |
| June 16 2023 | 302.59950 | 1.17943 | 1.17613 | 1.17699 | 1.17150 | |
| June 17 2023 | 302.65040 | 1.17962 | 1.17633 | 1.17719 | 1.17170 | |
| June 18 2023 | 302.70130 | 1.17982 | 1.17653 | 1.17739 | 1.17189 | |
| June 19 2023 | 302.75220 | 1.18002 | 1.17673 | 1.17759 | 1.17209 | |
| June 20 2023 | 302.80310 | 1.18022 | 1.17692 | 1.17779 | 1.17229 | |
| June 21 2023 | 302.85400 | 1.18042 | 1.17712 | 1.17798 | 1.17249 | |
| June 22 2023 | 302.90490 | 1.18062 | 1.17732 | 1.17818 | 1.17268 | |
| June 23 2023 | 302.95580 | 1.18081 | 1.17752 | 1.17838 | 1.17288 | |
| June 24 2023 | 303.00670 | 1.18101 | 1.17771 | 1.17858 | 1.17308 | |
| June 25 2023 | 303.05760 | 1.18121 | 1.17791 | 1.17878 | 1.17327 | |
| June 26 2023 | 303.10850 | 1.18141 | 1.17811 | 1.17897 | 1.17347 | |
| June 27 2023 | 303.15940 | 1.18161 | 1.17831 | 1.17917 | 1.17367 | |
| June 28 2023 | 303.21030 | 1.18181 | 1.17851 | 1.17937 | 1.17386 | |
| June 29 2023 | 303.26120 | 1.18200 | 1.17870 | 1.17957 | 1.17406 | |
| June 30 2023 | 303.31210 | 1.18220 | 1.17890 | 1.17977 | 1.17426 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 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 | 0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021 |
|--|-----------|-------------|--|--|---|--|
| Maturity Date: Ref CPI on Dated Date: | | | July 15, 2030 256.39126 | October 15, 2025 259.46997 | January 15, 2031 260.31619 | February 15, 2051 260.35150 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.17725 | 1.16328 | 1.15950 | 1.15934 | |
| June 2 2023 | 301.88690 | 1.17745 | 1.16348 | 1.15969 | 1.15954 | |
| June 3 2023 | 301.93780 | 1.17764 | 1.16367 | 1.15989 | 1.15973 | |
| June 4 2023 | 301.98870 | 1.17784 | 1.16387 | 1.16008 | 1.15993 | |
| June 5 2023 | 302.03960 | 1.17804 | 1.16406 | 1.16028 | 1.16012 | |
| June 6 2023 | 302.09050 | 1.17824 | 1.16426 | 1.16048 | 1.16032 | |
| June 7 2023 | 302.14140 | 1.17844 | 1.16446 | 1.16067 | 1.16051 | |
| June 8 2023 | 302.19230 | 1.17864 | 1.16465 | 1.16087 | 1.16071 | |
| June 9 2023 | 302.24320 | 1.17884 | 1.16485 | 1.16106 | 1.16090 | |
| June 10 2023 | 302.29410 | 1.17903 | 1.16504 | 1.16126 | 1.16110 | |
| June 11 2023 | 302.34500 | 1.17923 | 1.16524 | 1.16145 | 1.16130 | |
| June 12 2023 | 302.39590 | 1.17943 | 1.16544 | 1.16165 | 1.16149 | |
| June 13 2023 | 302.44680 | 1.17963 | 1.16563 | 1.16184 | 1.16169 | |
| June 14 2023 | 302.49770 | 1.17983 | 1.16583 | 1.16204 | 1.16188 | |
| June 15 2023 | 302.54860 | 1.18003 | 1.16603 | 1.16224 | 1.16208 | |
| June 16 2023 | 302.59950 | 1.18023 | 1.16622 | 1.16243 | 1.16227 | |
| June 17 2023 | 302.65040 | 1.18042 | 1.16642 | 1.16263 | 1.16247 | |
| June 18 2023 | 302.70130 | 1.18062 | 1.16661 | 1.16282 | 1.16266 | |
| June 19 2023 | 302.75220 | 1.18082 | 1.16681 | 1.16302 | 1.16286 | |
| June 20 2023 | 302.80310 | 1.18102 | 1.16701 | 1.16321 | 1.16305 | |
| June 21 2023 | 302.85400 | 1.18122 | 1.16720 | 1.16341 | 1.16325 | |
| June 22 2023 | 302.90490 | 1.18142 | 1.16740 | 1.16360 | 1.16345 | |
| June 23 2023 | 302.95580 | 1.18162 | 1.16759 | 1.16380 | 1.16364 | |
| June 24 2023 | 303.00670 | 1.18181 | 1.16779 | 1.16399 | 1.16384 | |
| June 25 2023 | 303.05760 | 1.18201 | 1.16799 | 1.16419 | 1.16403 | |
| June 26 2023 | 303.10850 | 1.18221 | 1.16818 | 1.16439 | 1.16423 | |
| June 27 2023 | 303.15940 | 1.18241 | 1.16838 | 1.16458 | 1.16442 | |
| June 28 2023 | 303.21030 | 1.18261 | 1.16858 | 1.16478 | 1.16462 | |
| June 29 2023 | 303.26120 | 1.18281 | 1.16877 | 1.16497 | 1.16481 | |
| June 30 2023 | 303.31210 | 1.18300 | 1.16897 | 1.16517 | 1.16501 | |
| CPI-U (NSA) for: | | | February 2023 300.840 | March 2023 301.836 | April 2023 303.363 | |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 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 December 31, 2021 | 0-1/8% 10-Year TIPS Series A-2032 91282CDX6 January 15, 2022 January 31, 2022 March 31, 2022 May 31, 2022 |
|--|----------------------|----------------|---|--|--|---|
| Maturity Date: Ref CPI on Dated Date: | | | April 15, 2026 262.25027 | July 15, 2031 268.02090 | October 15, 2026 273.25771 | January 15, 2032 277.20274 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.15095 | 1.12617 | 1.10458 | 1.08886 | |
| June 2 2023 | 301.88690 | 1.15114 | 1.12636 | 1.10477 | 1.08905 | |
| June 3 2023 | 301.93780 | 1.15133 | 1.12655 | 1.10496 | 1.08923 | |
| June 4 2023 | 301.98870 | 1.15153 | 1.12674 | 1.10514 | 1.08941 | |
| June 5 2023 | 302.03960 | 1.15172 | 1.12693 | 1.10533 | 1.08960 | |
| June 6 2023 | 302.09050 | 1.15192 | 1.12712 | 1.10552 | 1.08978 | |
| June 7 2023 | 302.14140 | 1.15211 | 1.12731 | 1.10570 | 1.08997 | |
| June 8 2023 | 302.19230 | 1.15231 | 1.12750 | 1.10589 | 1.09015 | |
| June 9 2023 | 302.24320 | 1.15250 | 1.12769 | 1.10607 | 1.09033 | |
| June 10 2023 | 302.29410 | 1.15269 | 1.12788 | 1.10626 | 1.09052 | |
| June 11 2023 | 302.34500 | 1.15289 | 1.12807 | 1.10645 | 1.09070 | |
| June 12 2023 | 302.39590 | 1.15308 | 1.12825 | 1.10663 | 1.09088 | |
| June 13 2023 | 302.44680 | 1.15328 | 1.12844 | 1.10682 | 1.09107 | |
| June 14 2023 | 302.49770 | 1.15347 | 1.12863 | 1.10701 | 1.09125 | |
| June 15 2023 | 302.54860 | 1.15366 | 1.12882 | 1.10719 | 1.09143 | |
| June 16 2023 | 302.59950 | 1.15386 | 1.12901 | 1.10738 | 1.09162 | |
| June 17 2023 | 302.65040 | 1.15405 | 1.12920 | 1.10756 | 1.09180 | |
| June 18 2023 | 302.70130 | 1.15425 | 1.12939 | 1.10775 | 1.09199 | |
| June 19 2023 | 302.75220 | 1.15444 | 1.12958 | 1.10794 | 1.09217 | |
| June 20 2023 | 302.80310 | 1.15463 | 1.12977 | 1.10812 | 1.09235 | |
| June 21 2023 | 302.85400 | 1.15483 | 1.12996 | 1.10831 | 1.09254 | |
| June 22 2023 | 302.90490 | 1.15502 | 1.13015 | 1.10850 | 1.09272 | |
| June 23 2023 | 302.95580 | 1.15522 | 1.13034 | 1.10868 | 1.09290 | |
| June 24 2023 | 303.00670 | 1.15541 | 1.13053 | 1.10887 | 1.09309 | |
| June 25 2023 | 303.05760 | 1.15560 | 1.13072 | 1.10905 | 1.09327 | |
| June 26 2023 | 303.10850 | 1.15580 | 1.13091 | 1.10924 | 1.09345 | |
| June 27 2023 | 303.15940 | 1.15599 | 1.13110 | 1.10943 | 1.09364 | |
| June 28 2023 | 303.21030 | 1.15619 | 1.13129 | 1.10961 | 1.09382 | |
| June 29 2023 | 303.26120 | 1.15638 | 1.13148 | 1.10980 | 1.09401 | |
| June 30 2023 | 303.31210 | 1.15657 | 1.13167 | 1.10999 | 1.09419 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): | | | 0-1/8% 30-Year TIPS TIPS of February 2052 912810TE8 February 15, 2022 February 28, 2022 August 31, 2022 | 0-1/8% 5-Year TIPS Series X-2027 91282CEJ6 April 15, 2022 April 29, 2022 June 30, 2022 | 0-5/8% 10-Year TIPS Series D-2032 91282CEZ0 July 15, 2022 July 29, 2022 September 30, 2022 November 30, 2022 | 1-5/8% 5-Year TIPS Series AE-2027 91282CFR7 October 15, 2022 October 31, 2022 December 30, 2022 |
|--|----------------------|----------------|--|---|--|--|
| Maturity Date: Ref CPI on Dated Date: | | | February 15, 2052 278.37500 | April 15, 2027 282.34640 | July 15, 2032 290.54829 | October 15, 2027 296.22858 |
| Date | Ref CPI | Index Ratio | Index Ratio | Index Ratio | Index Ratio | |
| June 1 2023 | 301.83600 | 1.08428 | 1.06903 | 1.03885 | 1.01893 | |
| June 2 2023 | 301.88690 | 1.08446 | 1.06921 | 1.03902 | 1.01910 | |
| June 3 2023 | 301.93780 | 1.08464 | 1.06939 | 1.03920 | 1.01927 | |
| June 4 2023 | 301.98870 | 1.08483 | 1.06957 | 1.03938 | 1.01944 | |
| June 5 2023 | 302.03960 | 1.08501 | 1.06975 | 1.03955 | 1.01962 | |
| June 6 2023 | 302.09050 | 1.08519 | 1.06993 | 1.03973 | 1.01979 | |
| June 7 2023 | 302.14140 | 1.08538 | 1.07011 | 1.03990 | 1.01996 | |
| June 8 2023 | 302.19230 | 1.08556 | 1.07029 | 1.04008 | 1.02013 | |
| June 9 2023 | 302.24320 | 1.08574 | 1.07047 | 1.04025 | 1.02030 | |
| June 10 2023 | 302.29410 | 1.08592 | 1.07065 | 1.04043 | 1.02048 | |
| June 11 2023 | 302.34500 | 1.08611 | 1.07083 | 1.04060 | 1.02065 | |
| June 12 2023 | 302.39590 | 1.08629 | 1.07101 | 1.04078 | 1.02082 | |
| June 13 2023 | 302.44680 | 1.08647 | 1.07119 | 1.04095 | 1.02099 | |
| June 14 2023 | 302.49770 | 1.08666 | 1.07137 | 1.04113 | 1.02116 | |
| June 15 2023 | 302.54860 | 1.08684 | 1.07155 | 1.04130 | 1.02133 | |
| June 16 2023 | 302.59950 | 1.08702 | 1.07173 | 1.04148 | 1.02151 | |
| June 17 2023 | 302.65040 | 1.08720 | 1.07191 | 1.04165 | 1.02168 | |
| June 18 2023 | 302.70130 | 1.08739 | 1.07209 | 1.04183 | 1.02185 | |
| June 19 2023 | 302.75220 | 1.08757 | 1.07227 | 1.04200 | 1.02202 | |
| June 20 2023 | 302.80310 | 1.08775 | 1.07245 | 1.04218 | 1.02219 | |
| June 21 2023 | 302.85400 | 1.08794 | 1.07263 | 1.04235 | 1.02237 | |
| June 22 2023 | 302.90490 | 1.08812 | 1.07281 | 1.04253 | 1.02254 | |
| June 23 2023 | 302.95580 | 1.08830 | 1.07299 | 1.04270 | 1.02271 | |
| June 24 2023 | 303.00670 | 1.08848 | 1.07317 | 1.04288 | 1.02288 | |
| June 25 2023 | 303.05760 | 1.08867 | 1.07335 | 1.04305 | 1.02305 | |
| June 26 2023 | 303.10850 | 1.08885 | 1.07353 | 1.04323 | 1.02323 | |
| June 27 2023 | 303.15940 | 1.08903 | 1.07371 | 1.04340 | 1.02340 | |
| June 28 2023 | 303.21030 | 1.08922 | 1.07389 | 1.04358 | 1.02357 | |
| June 29 2023 | 303.26120 | 1.08940 | 1.07407 | 1.04375 | 1.02374 | |
| June 30 2023 | 303.31210 | 1.08958 | 1.07426 | 1.04393 | 1.02391 | |
| CPI-U (NSA) for: | February 2023 | 300.840 | March 2023 | 301.836 | April 2023 | 303.363 |

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
June 2023

| | | | 1-1/8% 10-Year TIPS | 1-1/2% 30-Year TIPS | 1-1/4% 5-Year TIPS | |
|----------------------------------|----|------|------------------------------|------------------------------|---------------------------|--------------------|
| Security: | | | Series A-2033 | TIPS of February 2053 | Series X-2028 | |
| Description: | | | 91282CGK1 | 912810TP3 | 91282CGW5 | |
| CUSIP Number: | | | January 15, 2023 | February 15, 2023 | April 15, 2023 | |
| Dated Date: | | | January 31, 2023 | February 28, 2023 | April 28, 2023 | |
| Original Issue Date: | | | March 31, 2023 | | | |
| Additional Issue Date(s): | | | | | | |
| Maturity Date: | | | January 15, 2033 | February 15, 2053 | April 15, 2028 | |
| Ref CPI on Dated Date: | | | 297.87606 | 297.25400 | 299.94933 | |
| Date | | | Ref CPI | Index Ratio | Index Ratio | Index Ratio |
| June | 1 | 2023 | 301.83600 | 1.01329 | 1.01541 | 1.00629 |
| June | 2 | 2023 | 301.88690 | 1.01346 | 1.01559 | 1.00646 |
| June | 3 | 2023 | 301.93780 | 1.01364 | 1.01576 | 1.00663 |
| June | 4 | 2023 | 301.98870 | 1.01381 | 1.01593 | 1.00680 |
| June | 5 | 2023 | 302.03960 | 1.01398 | 1.01610 | 1.00697 |
| June | 6 | 2023 | 302.09050 | 1.01415 | 1.01627 | 1.00714 |
| June | 7 | 2023 | 302.14140 | 1.01432 | 1.01644 | 1.00731 |
| June | 8 | 2023 | 302.19230 | 1.01449 | 1.01661 | 1.00748 |
| June | 9 | 2023 | 302.24320 | 1.01466 | 1.01678 | 1.00765 |
| June | 10 | 2023 | 302.29410 | 1.01483 | 1.01696 | 1.00782 |
| June | 11 | 2023 | 302.34500 | 1.01500 | 1.01713 | 1.00799 |
| June | 12 | 2023 | 302.39590 | 1.01517 | 1.01730 | 1.00816 |
| June | 13 | 2023 | 302.44680 | 1.01534 | 1.01747 | 1.00833 |
| June | 14 | 2023 | 302.49770 | 1.01552 | 1.01764 | 1.00850 |
| June | 15 | 2023 | 302.54860 | 1.01569 | 1.01781 | 1.00867 |
| June | 16 | 2023 | 302.59950 | 1.01586 | 1.01798 | 1.00884 |
| June | 17 | 2023 | 302.65040 | 1.01603 | 1.01815 | 1.00901 |
| June | 18 | 2023 | 302.70130 | 1.01620 | 1.01833 | 1.00917 |
| June | 19 | 2023 | 302.75220 | 1.01637 | 1.01850 | 1.00934 |
| June | 20 | 2023 | 302.80310 | 1.01654 | 1.01867 | 1.00951 |
| June | 21 | 2023 | 302.85400 | 1.01671 | 1.01884 | 1.00968 |
| June | 22 | 2023 | 302.90490 | 1.01688 | 1.01901 | 1.00985 |
| June | 23 | 2023 | 302.95580 | 1.01705 | 1.01918 | 1.01002 |
| June | 24 | 2023 | 303.00670 | 1.01722 | 1.01935 | 1.01019 |
| June | 25 | 2023 | 303.05760 | 1.01739 | 1.01952 | 1.01036 |
| June | 26 | 2023 | 303.10850 | 1.01757 | 1.01970 | 1.01053 |
| June | 27 | 2023 | 303.15940 | 1.01774 | 1.01987 | 1.01070 |
| June | 28 | 2023 | 303.21030 | 1.01791 | 1.02004 | 1.01087 |
| June | 29 | 2023 | 303.26120 | 1.01808 | 1.02021 | 1.01104 |
| June | 30 | 2023 | 303.31210 | 1.01825 | 1.02038 | 1.01121 |
| CPI-U (NSA) for: | | | February 2023 300.840 | March 2023 301.836 | April 2023 303.363 | |