

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities Offered	Maximum Aggregate Offering Price	Amount of Registration Fee
Floating Rate Senior Notes due 2023	\$2,500,000,000	\$324,500
Fixed/Floating Rate Senior Notes due 2031	\$3,500,000,000	\$454,300

PROSPECTUS Dated November 16, 2017
PROSPECTUS SUPPLEMENT Dated November 16, 2017

Pricing Supplement No. 3,175 to
Registration Statement No. 333-221595
Dated January 16, 2020
Rule 424(b)(2)

Morgan Stanley

GLOBAL MEDIUM-TERM NOTES, SERIES I

Floating Rate Senior Notes Due 2023 Fixed/Floating Rate Senior Notes Due 2031

We, Morgan Stanley, are offering the notes described below on a global basis. We may redeem the Global Medium-Term Notes, Series I, Floating Rate Senior Notes Due 2023 (the “floating rate notes due 2023”), (i) in whole but not in part, on January 20, 2022 or (ii) in whole at any time or in part from time to time, on or after December 20, 2022, in each case at a redemption price equal to 100% of the principal amount to be redeemed plus accrued and unpaid interest thereon (calculated as described below) to but excluding the redemption date, in accordance with the provisions described in the accompanying prospectus under the heading “Description of Debt Securities—Redemption and Repurchase of Debt Securities—Notice of Redemption,” as supplemented by the provisions below under the heading “Optional Redemption.” We may redeem some or all of the Global Medium-Term Notes, Series I, Fixed/Floating Rate Senior Notes Due 2031 (the “fixed/floating rate notes due 2031” and, together with the floating rate notes due 2023, the “notes”) at any time on or after July 22, 2020 and prior to January 22, 2030 in accordance with the provisions described in the accompanying prospectus under the heading “Description of Debt Securities—Redemption and Repurchase of Debt Securities—Optional Make-whole Redemption of Debt Securities,” as supplemented by the provisions below. We also may redeem the fixed/floating rate notes due 2031, (i) in whole but not in part, on January 22, 2030 or (ii) in whole at any time or in part from time to time, on or after October 22, 2030, in each case at a redemption price equal to 100% of the principal amount to be redeemed plus accrued and unpaid interest thereon (calculated as described below) to but excluding the redemption date, in accordance with the provisions described in the accompanying prospectus under the heading “Description of Debt Securities—Redemption and Repurchase of Debt Securities—Notice of Redemption,” as supplemented by the provisions below under the heading “Optional Redemption.”

We will issue the notes only in registered form, which form is further described under “Description of Notes—Forms of Notes” in the accompanying prospectus supplement.

We describe the basic features of the notes in the section of the accompanying prospectus supplement called “Description of Notes,” subject to and as modified by the provisions described below. In addition, we describe the basic features of the floating rate notes due 2023 in the section of the accompanying prospectus called “Description of Debt Securities—Floating Rate Debt Securities,” subject to and as modified by the provisions described below. We describe the basic features of the fixed/floating rate notes due 2031 during the Fixed Rate Period (as defined below) in the section of the accompanying prospectus called “Description of Debt Securities—Fixed Rate Debt Securities” and during the Floating Rate Period (as defined below) in the section of the accompanying prospectus called “Description of Debt Securities—Floating Rate Debt Securities,” in each case subject to and as modified by the provisions described below.

With respect to the floating rate notes due 2023, we describe how interest is paid under “Description of Debt Securities—Floating Rate Debt Securities” in the accompanying prospectus, subject to and as modified by the provisions described below, including “Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities” with respect to the compounding method used to calculate accrued interest and the application of the Spread to such method. With respect to the fixed/floating rate notes due 2031, we describe how interest is calculated, accrued and paid during the fixed rate period, including where a scheduled interest payment date is not a business day (the following unadjusted business day convention), under “Description of Debt Securities—Fixed Rate Debt Securities” in the accompanying prospectus. With respect to the fixed/floating rate notes due 2031, we describe how interest is paid during the floating rate period under “Description of Debt Securities—Floating Rate Debt Securities” in the accompanying prospectus, subject to and as modified by the provisions described below, including “Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities” with respect to the compounding method used to calculate accrued interest during the floating rate period and the application of the Spread to such method.

Terms not defined herein have the meanings given to such terms in the accompanying prospectus supplement and prospectus, as applicable.

Investing in the notes involves risks. See “Risk Factors” on page PS-6.

The notes are not deposits or savings accounts and are not insured by the Federal Deposit Insurance Corporation or any other governmental agency or instrumentality, nor are they obligations of, or guaranteed by, a bank.

The Securities and Exchange Commission and state securities regulators have not approved or disapproved these securities, or determined if this pricing supplement or the accompanying prospectus supplement or prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

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None of this pricing supplement, the accompanying prospectus supplement nor the accompanying prospectus is a prospectus for the purposes of the Prospectus Regulation (as defined below). This pricing supplement, the accompanying prospectus supplement and the accompanying prospectus have been prepared on the basis that any offer of notes in any Member State of the European Economic Area (the "EEA") will only be made to a legal entity which is a qualified investor under the Prospectus Regulation ("Qualified Investors"). Accordingly any person making or intending to make an offer in that Member State of notes which are the subject of any offering contemplated in this pricing supplement, the accompanying prospectus supplement and the accompanying prospectus may only do so with respect to Qualified Investors. Neither Morgan Stanley nor the managers have authorized, nor do they authorize, the making of any offer of notes other than to Qualified Investors. The expression "Prospectus Regulation" means Regulation (EU) 2017/1129.

PROHIBITION OF SALES TO EEA RETAIL INVESTORS – *The notes are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the EEA. For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU, as amended ("MiFID II"); or (ii) a customer within the meaning of Directive (EU) 2016/97 (the "Insurance Distribution Directive"), where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (iii) not a qualified investor as defined in the Prospectus Regulation. Consequently no key information document required by Regulation (EU) No 1286/2014, as amended (the "PRIIPs Regulation") for offering or selling the notes or otherwise making them available to retail investors in the EEA has been prepared and therefore offering or selling the notes or otherwise making them available to any retail investor in the EEA may be unlawful under the PRIIPs Regulation.*

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Floating Rate Notes Due 2023

Principal Amount:	\$2,500,000,000
Maturity Date:	January 20, 2023
Settlement Date	
(Original Issue Date):	January 22, 2020 (T+3)
Interest Accrual Date:	January 22, 2020
Issue Price:	100%
Specified Currency:	U.S. dollars
Redemption Percentage	
at Maturity:	100%
Base Rate:	SOFR (compounded daily over a quarterly Interest Payment Period in accordance with the specific formula described in this pricing supplement). As further described in this pricing supplement, (i) in determining the Base Rate for a U.S. Government Securities Business Day, the Base Rate generally will be the rate in respect of such day that is provided on the following U.S. Government Securities Business Day and (ii) in determining the Base Rate for any other day, such as a Saturday, Sunday or holiday, the Base Rate generally will be the rate in respect of the immediately preceding U.S. Government Securities Business Day that is provided on the following U.S. Government Securities Business Day.
Spread (Plus or Minus):	Plus 0.70% (to be added to the accrued interest compounding factor for an Interest Payment Period)
Index Maturity:	Daily
Index Currency:	U.S. dollars
Interest Payment Periods:	Quarterly; with respect to an Interest Payment Date, the period from and including the second most recent Interest Payment Period End-Date (or from and including the Original Issue Date in the case of the first Interest Payment Period) to but excluding the immediately preceding Interest Payment Period End-Date; provided that (i) the Interest Payment Period with respect to the final Interest Payment Date (i.e., the Maturity Date or, if we elect to redeem floating rate notes due 2023, the redemption date for such floating rate notes due 2023) will be the period from and including the second-to-last Interest Payment Period End-Date to but excluding the Maturity Date or, if we elect to redeem floating rate notes due 2023, to but excluding the redemption date for such floating rate notes due 2023 (in each case, the final Interest Payment Period End-Date for such floating rate notes due 2023) and (ii) with respect to such final Interest Payment Period, the level of SOFR for each calendar day in the period from and including the Rate Cut-Off Date (as defined below) to but excluding the Maturity Date or redemption date, as applicable, shall be the level of SOFR in respect of such Rate Cut-Off Date.
Interest Payment Period End-Dates:	The 20th of each January, April, July and October, commencing April 2020 and ending on the Maturity Date or, if we elect to redeem floating rate notes due 2023, ending on the redemption date for such floating rate notes due 2023; provided that if any scheduled Interest Payment Period End-Date, other than the Maturity Date or, if we elect to redeem floating rate notes due 2023, the redemption date for such floating rate notes due 2023, falls on a day that is not a business day, it will be postponed to the following business day, except that, if that business day would fall in the next calendar month, the Interest Payment Period End-Date will be the immediately preceding business day. If the scheduled final Interest Payment Period End-Date for the floating rate notes due 2023 (i.e., the Maturity Date or, if we elect to redeem floating rate notes due 2023, the redemption date for such floating rate notes due 2023) falls on a day that is not a business day, the payment of principal and interest will be made on the next succeeding business day, but interest on that payment will not accrue during the period from and after the scheduled final Interest Payment Period End-Date.
Interest Payment Dates:	The second business day following each Interest Payment Period End-Date; provided that the Interest Payment Date with respect to the final Interest Payment Period will be the Maturity Date or, if we elect to redeem floating rate notes due 2023, the redemption date for such floating rate notes due 2023. If the scheduled Maturity Date or redemption date falls on a day that is not a business day, the payment of principal and interest will be made on the next succeeding business day, but interest on that payment will not accrue during the period from and after the scheduled Maturity Date or redemption date.
Rate Cut-Off Date:	The second U.S. Government Securities Business Day prior to the Maturity Date or redemption date, as applicable
Business Day:	New York
Calculation Agent:	The Bank of New York Mellon (as successor to JPMorgan Chase Bank, N.A. (formerly known as JPMorgan Chase Bank))
Minimum Denominations:	\$1,000 and integral multiples of \$1,000 in excess thereof
CUSIP:	617446 8K8
ISIN:	US6174468K89
Day Count Convention:	Actual/360
Prohibition of Sales to	
EEA Retail Investors:	Applicable
Other Provisions:	See "Optional Redemption," "Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities" and "Determination of SOFR" below.

1/20/2020

https://www.sec.gov/Archives/edgar/data/895421/000090514820000098/efc20-74_424b2.htm

PS-3

Fixed/Floating Rate Notes Due 2031

Principal Amount:	\$3,500,000,000
Maturity Date:	January 22, 2031
Settlement Date	
(Original Issue Date):	January 22, 2020 (T+3)
Interest Accrual Date:	January 22, 2020
Issue Price:	100%
Specified Currency:	U.S. dollars
Redemption Percentage at Maturity:	100%
Fixed Rate Period:	The period from and including the Settlement Date to but excluding January 22, 2030
Floating Rate Period:	The period from and including January 22, 2030 to but excluding the Maturity Date
Interest Rate:	During the Fixed Rate Period, 2.699% per annum; during the Floating Rate Period, see “Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities” below
Base Rate:	SOFR (compounded daily over a quarterly Interest Payment Period in accordance with the specific formula described in this pricing supplement). As further described in this pricing supplement, (i) in determining the Base Rate for a U.S. Government Securities Business Day, the Base Rate generally will be the rate in respect of such day that is provided on the following U.S. Government Securities Business Day and (ii) in determining the Base Rate for any other day, such as a Saturday, Sunday or holiday, the Base Rate generally will be the rate in respect of the immediately preceding U.S. Government Securities Business Day that is provided on the following U.S. Government Securities Business Day.
Spread (Plus or Minus):	Plus 1.143% (to be added to the accrued interest compounding factor for an Interest Payment Period)
Index Maturity:	Daily
Index Currency:	U.S. dollars
Interest Payment Periods:	During the Fixed Rate Period, semiannually; during the Floating Rate Period, quarterly. With respect to an Interest Payment Date during the Floating Rate Period, the period from and including the second most recent Interest Payment Period End-Date (or from and including January 22, 2030 in the case of the first Interest Payment Period during the Floating Rate Period) to but excluding the immediately preceding Interest Payment Period End-Date; provided that (i) the Interest Payment Period with respect to the final Interest Payment Date (i.e., the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, the redemption date for such fixed/floating rate notes due 2031) will be the period from and including the second-to-last Interest Payment Period End-Date to but excluding the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, to but excluding the redemption date for such fixed/floating rate notes due 2031 (in each case, the final Interest Payment Period End-Date for such fixed/floating rate notes due 2031) and (ii) with respect to such final Interest Payment Period, the level of SOFR for each calendar day in the period from and including the Rate Cut-Off Date to but excluding the Maturity Date or redemption date, as applicable, shall be the level of SOFR in respect of such Rate Cut-Off Date.
Interest Payment Period End-Dates:	With respect to the Floating Rate Period, the 22nd of each January, April, July and October, commencing April 2030 and ending on the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, ending on the redemption date for such fixed/floating rate notes due 2031; provided that if any scheduled Interest Payment Period End-Date, other than the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, the redemption date for such fixed/floating rate notes due 2031, falls on a day that is not a business day, it will be postponed to the following business day, except that, if that business day would fall in the next calendar month, the Interest Payment Period End-Date will be the immediately preceding business day. If the scheduled final Interest Payment Period End-Date for the fixed/floating rate notes due 2031 (i.e., the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, the redemption date for such fixed/floating rate notes due 2031) falls on a day that is not a business day, the payment of principal and interest will be made on the next succeeding business day, but interest on that payment will not accrue during the period from and after the scheduled final Interest Payment Period End-Date.
Interest Payment Dates:	With respect to the Fixed Rate Period, each January 22 and July 22, commencing July 22, 2020 to and including January 22, 2030; with respect to the Floating Rate Period, the second business day following each Interest Payment Period End-Date; provided that the Interest Payment Date with respect to the final Interest Payment Period will be the Maturity Date or, if we elect to redeem fixed/floating rate notes due 2031, the redemption date for such fixed/floating rate notes due 2031. If the scheduled Maturity Date or redemption date falls on a day that is not a business day, the payment of principal and interest will be made on the next succeeding business day, but interest on that payment will not accrue during the period from and after the scheduled Maturity Date or redemption date.
Rate Cut-Off Date:	The second U.S. Government Securities Business Day prior to the Maturity Date or redemption date, as applicable
Business Day:	New York
Calculation Agent:	The Bank of New York Mellon (as successor to JPMorgan Chase Bank, N.A. (formerly known as JPMorgan Chase Bank))

Minimum *\$1,000 and integral multiples of \$1,000 in excess thereof*
Denominations:

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CUSIP: 617446 8L6

ISIN: US6174468L62

Day Count Convention: *During the Fixed Rate Period, 30/360; during the Floating Rate Period, Actual/360*

Prohibition of Sales to

EEA Retail Investors: *Applicable*

Other Provisions: *Optional make-whole redemption on or after July 22, 2020 and prior to January 22, 2030, on at least 5 but not more than 30 days' prior notice, as described in the accompanying prospectus under the heading "Description of Debt Securities—Redemption and Repurchase of Debt Securities—Optional Make-whole Redemption of Debt Securities," provided that, for purposes of the fixed/floating rate notes due 2031, (A) the make-whole redemption price shall be equal to the greater of: (i) 100% of the principal amount of such notes to be redeemed and (ii) the sum of (a) the present value of the payment of principal on such notes to be redeemed and (b) the present values of the scheduled payments of interest on such notes to be redeemed that would have been payable from the date of redemption to January 22, 2030 (not including any portion of such payments of interest accrued to the date of redemption), each discounted to the date of redemption on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the treasury rate plus 15 basis points, as calculated by the premium calculation agent; plus, in either case, accrued and unpaid interest on the principal amount being redeemed to the redemption date and (B) "comparable treasury issue" means the U.S. Treasury security selected by the premium calculation agent as having a maturity comparable to the remaining term of the fixed/floating rate notes due 2031 to be redeemed as if the fixed/floating rate notes due 2031 matured on January 22, 2030 ("remaining life") that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of comparable maturity to the remaining life.*

See also "Optional Redemption," "Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities" and "Determination of SOFR" below.

Risk Factors

For a discussion of the risk factors affecting Morgan Stanley and its business, including market risk, credit risk, operational risk, liquidity risk, legal, regulatory and compliance risk, risk management, competitive environment, international risk and acquisition, divestiture and joint venture risk, among others, see “Risk Factors” in Part I, Item 1A of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018 and our current and periodic reports filed pursuant to the Securities Exchange Act of 1934, as amended (file number 001-11758) that are incorporated by reference into this pricing supplement and the accompanying prospectus supplement and prospectus.

This section describes certain selected risk factors relating to the notes. Please see “Risk Factors” in the accompanying prospectus for a complete list of risk factors relating to the notes.

SOFR has a very limited history; the future performance of SOFR cannot be predicted based on historical performance. You should note that publication of SOFR began on April 3, 2018 and it therefore has a very limited history. In addition, the future performance of SOFR cannot be predicted based on the limited historical performance. The level of SOFR during the term of the notes may bear little or no relation to the historical level of SOFR. Prior observed patterns, if any, in the behavior of market variables and their relation to SOFR, such as correlations, may change in the future. While some pre-publication historical data have been released by the Federal Reserve Bank of New York (the “New York Federal Reserve”), such analysis inherently involves assumptions, estimates and approximations. The future performance of SOFR is impossible to predict and therefore no future performance of SOFR or the notes may be inferred from any of the historical simulations or historical performance. Hypothetical or historical performance data are not indicative of, and have no bearing on, the potential performance of SOFR or the notes. Changes in the levels of SOFR will affect the Base Rate and, therefore, the return on the notes and the trading price of such notes, but it is impossible to predict whether such levels will rise or fall. There can be no assurance that SOFR or the Base Rate will be positive.

Any failure of SOFR to gain market acceptance could adversely affect the notes. SOFR may fail to gain market acceptance. SOFR was developed for use in certain U.S. dollar derivatives and other financial contracts as an alternative to U.S. dollar LIBOR in part because it is considered a good representation of general funding conditions in the overnight Treasury repo market. However, as a rate based on transactions secured by U.S. Treasury securities, it does not measure bank-specific credit risk and, as a result, is less likely to correlate with the unsecured short-term funding costs of banks. This may mean that market participants would not consider SOFR a suitable substitute or successor for all of the purposes for which LIBOR historically has been used (including, without limitation, as a representation of the unsecured short-term funding costs of banks), which may, in turn, lessen market acceptance of SOFR. Any failure of SOFR to gain market acceptance could adversely affect the return on the notes and the price at which you can sell such notes.

The composition and characteristics of SOFR are not the same as those of LIBOR and there is no guarantee that either SOFR or the Base Rate is a comparable substitute for LIBOR. In June 2017, the New York Federal Reserve’s Alternative Reference Rates Committee (the “ARRC”) announced SOFR as its recommended alternative to U.S. dollar LIBOR. However, the composition and characteristics of SOFR are not the same as those of LIBOR. SOFR is a broad Treasury repo financing rate that represents overnight secured funding transactions. This means that SOFR is fundamentally different from LIBOR for two key reasons. First, SOFR is a secured rate, while LIBOR is an unsecured rate. Second, SOFR is an overnight rate, while LIBOR represents interbank funding over different maturities. As a result, there can be no assurance that SOFR will perform in the same way as LIBOR would have at any time, including, without limitation, as a result of changes in interest and yield rates in the market, market volatility or global, national or regional economic, financial, political, regulatory, judicial or other events. For example, since publication of SOFR began on April 3, 2018, daily changes in SOFR have, on occasion, been more volatile than daily changes in comparable benchmark or other market rates. For additional information regarding SOFR, see “Secured Overnight Financing Rate” below.

The secondary trading market for notes linked to SOFR may be limited. Since SOFR is a relatively new market rate, the notes will likely have no established trading market when issued and an established trading market may never develop or may not be very liquid. Market terms for debt securities linked to SOFR (such as the notes) such as the Spread may evolve over time and, as a result, trading prices of the notes may be lower than those of later-issued debt securities that are linked to SOFR. Similarly, if SOFR does not prove to be widely used in debt securities similar to the notes, the trading price of the notes may be lower than that of debt securities linked to rates that are more widely used. Investors in the notes may not be able to sell such notes at all or may not be able to sell such notes at prices that will provide them with a yield comparable to similar investments that have a developed secondary market. Further, investors wishing to sell the floating rate notes due 2023 or the fixed/floating rate notes due 2031 during the Floating Rate Period in the secondary market will have to make assumptions as to the future performance of SOFR during the applicable Interest Payment Period in which they intend the sale to take place. As a result, investors may suffer from increased pricing volatility and market risk.

The administrator of SOFR may make changes that could change the value of SOFR or discontinue SOFR and has no obligation to consider your interests in doing so. The New York Federal Reserve (or a successor), as administrator of SOFR, may make methodological or other changes that could change the value of SOFR, including changes related to the method by which SOFR is calculated, eligibility criteria applicable to the transactions used to calculate SOFR, or timing related to the publication of SOFR. In addition, the administrator may alter, discontinue or suspend calculation or dissemination of SOFR (in which case a fallback method of determining the interest rate on the floating rate notes due 2023, and the method of determining the interest rate on the fixed/floating rate notes due 2031 during the Floating Rate Period, in each case as further described under "Determination of SOFR," will apply). The administrator has no obligation to consider your interests in calculating, adjusting, converting, revising or discontinuing SOFR.

If SOFR is discontinued, the floating rate notes due 2023 will bear interest, and the fixed/floating rate notes due 2031 will bear interest during the Floating Rate Period, by reference to a different base rate, which could adversely affect the value of the notes, the return on the notes and the price at which you can sell such floating rate notes due 2023, or the price at which you can sell such fixed/floating rate notes due 2031 during the Floating Rate Period; there is no guarantee that any Benchmark Replacement will be a comparable substitute for SOFR. If we or our designee determine that a Benchmark Transition Event and its related Benchmark Replacement Date have occurred in respect of SOFR, then the interest rate on the floating rate notes due 2023 and the fixed/floating rate notes due 2031 during the Floating Rate Period will no longer be determined by reference to SOFR, but instead will be determined by reference to a different rate, which will be a different benchmark than SOFR, plus a spread adjustment, which we refer to as a "Benchmark Replacement," as further described under "Determination of SOFR" below.

If a particular Benchmark Replacement or Benchmark Replacement Adjustment cannot be determined, then the next-available Benchmark Replacement or Benchmark Replacement Adjustment will apply. These replacement rates and adjustments may be selected, recommended or formulated by (i) the Relevant Governmental Body (such as the ARRC), (ii) ISDA or (iii) in certain circumstances, us or our designee. In addition, the terms of the notes expressly authorize us or our designee to make Benchmark Replacement Conforming Changes with respect to, among other things, changes to the definition of "Interest Payment Period," timing and frequency of determining rates and making payments of interest and other administrative matters. The determination of a Benchmark Replacement, the calculation of the interest rate on the floating rate notes due 2023, and the fixed/floating rate notes due 2031 during the Floating Rate Period, by reference to a Benchmark Replacement (including the application of a Benchmark Replacement Adjustment), any implementation of Benchmark Replacement Conforming Changes and any other determinations, decisions or elections that may be made under the terms of the notes in connection with a Benchmark Transition Event could adversely affect the value of the notes, the return on the notes and the price at which you can sell such notes.

Any determination, decision or election described above will be made in our or our designee's sole discretion.

In addition, (i) the composition and characteristics of the Benchmark Replacement will not be the same as those of SOFR, the Benchmark Replacement will not be the economic equivalent of SOFR, there can be no assurance that the Benchmark Replacement will perform in the same way as SOFR would have at any time and there is no guarantee that the Benchmark Replacement will be a comparable substitute for SOFR (each of which means that a Benchmark Transition Event could adversely affect the value of the notes, the return on the notes and the price at which you can sell such notes), (ii) any failure of the Benchmark Replacement to gain market acceptance could adversely affect the notes, (iii) the Benchmark Replacement may have a very limited history and the future performance of the Benchmark Replacement cannot be predicted based on historical performance, (iv) the secondary trading market for notes linked to the Benchmark Replacement may be limited and (v) the administrator of the Benchmark Replacement may make changes that could change the value of the Benchmark Replacement or discontinue the Benchmark Replacement and has no obligation to consider your interests in doing so.

The interest rate on the floating rate notes due 2023 and, during the Floating Rate Period, the fixed/floating rate notes due 2031 is based on a daily compounded SOFR rate, which is relatively new in the marketplace. For each Interest Payment Period for the floating rate notes due 2023 and for each Interest Payment Period during the Floating Rate Period for the fixed/floating rate notes due 2031, the interest rate on the notes is based on a daily compounded SOFR rate calculated using the specific formula described in this pricing supplement, not the SOFR rate published on or in respect of a particular date during such Interest Payment Period or an average of SOFR rates during such period. For this and other reasons, the interest rate on the notes during any Interest Payment Period for the floating rate notes due 2023 and any Interest Payment Period within the Floating Rate Period for the fixed/floating rate notes due 2031 will not be the same as the interest rate on other SOFR-linked investments that use an alternative basis to determine the applicable interest rate. Further, if the SOFR rate in respect of a particular date during an Interest Payment Period for the floating rate notes due 2023, or during an Interest Payment Period within the Floating Rate Period for the fixed/floating rate notes due 2031, is negative, the portion of the accrued interest compounding factor specifically attributable to such date will be less than one, resulting in a reduction to the accrued interest compounding factor used to calculate the interest payable on such notes on the Interest Payment Date for such Interest Payment Period.

In addition, very limited market precedent exists for securities that use SOFR as the interest rate and the method for calculating an interest rate based upon SOFR in those precedents varies. Accordingly, the specific formula for the daily compounded SOFR rate used in the notes may not be widely adopted by other market participants, if at all. If the market adopts a different calculation method, that would likely adversely affect the market value of such notes.

The amount of interest payable with respect to each Interest Payment Period for the floating rate notes due 2023, and with respect to each Interest Payment Period during the Floating Rate Period for the fixed/floating rate notes due 2031, will be determined near the end of the Interest Payment Period. The level of the Base Rate applicable to each such Interest Payment Period and, therefore, the amount of interest payable with respect to such Interest Payment Period will be determined on the Interest Payment Period End-Date for such Interest Payment Period (or the Rate Cut-Off Date for the final Interest Payment Period). Because each such date is near the end of such Interest Payment Period, you will not know the amount of interest payable with respect to each such Interest Payment Period until shortly prior to the related Interest Payment Date and it may be difficult for you to reliably estimate the amount of interest that will be payable on each such Interest Payment Date.

The price at which the notes may be sold prior to maturity will depend on a number of factors and may be substantially less than the amount for which they were originally purchased. Some of these factors include, but are not limited to: (i) actual or anticipated changes in the level of SOFR, (ii) volatility of the level of SOFR, (iii) changes in interest and yield rates, (iv) any actual or anticipated changes in our credit ratings or credit spreads and (v) the time remaining to maturity of such notes. Generally, the longer the time remaining to maturity and the more tailored the exposure, the more the market price of the notes will be affected by the other factors described in the preceding sentence. This can lead to significant adverse changes in the market price of securities like the notes. Depending on the actual or anticipated level of SOFR, the market value of the notes is expected to decrease and you may receive substantially less than 100% of the issue price if you are able to sell your notes prior to maturity.

The issuer, its subsidiaries or affiliates may publish research that could affect the market value of the notes. They also expect to hedge the issuer's obligations under such notes. The issuer or one or more of its affiliates may, at present or in the future, publish research reports with respect to movements in interest rates generally, or the LIBOR transition or SOFR specifically. This research is modified from time to time without notice and may express opinions or provide recommendations that are inconsistent with purchasing or holding the notes. Any of these activities may affect the market value of such notes. In addition, the issuer's subsidiaries expect to hedge the issuer's obligations under the notes and they may realize a profit from that expected hedging activity even if investors do not receive a favorable investment return under the terms of such notes or in any secondary market transaction.

The calculation agent (or, if applicable, we or our designee) will make determinations with respect to the notes. The calculation agent will make certain determinations with respect to the notes as further described in this pricing supplement. In addition, if a Benchmark Transition Event and its related Benchmark Replacement Date have occurred, we or our designee will make certain determinations with respect to the notes in our or our designee's sole discretion as further described under "Determination of SOFR" below. Any of these determinations may adversely affect the payout to investors. Moreover, certain determinations may require the exercise of discretion and the making of subjective judgments, such as with respect to the Base Rate or the occurrence or non-occurrence of a Benchmark Transition Event and any Benchmark Replacement Conforming Changes. These potentially subjective determinations may adversely affect the payout to you on the notes. For further information regarding these types of determinations, see "Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities" and "Determination of SOFR" and related definitions below.

In determining the Base Rate for the final Interest Payment Period for the floating rate notes due 2023, and for the final Interest Payment Period in the Floating Rate Period for the fixed/floating rate notes due 2031, the level of SOFR for any day from and including the Rate Cut-Off Date to but excluding the Maturity Date or redemption date, as applicable, will be the level of SOFR in respect of such Rate Cut-off Date. For the final Interest Payment Period, because the level of SOFR for any day from and including the Rate Cut-off Date to but excluding the Maturity Date or redemption date, as applicable, will be the level of SOFR in respect of such Rate Cut-Off Date, you will not receive the benefit of any increase in the level in respect of SOFR beyond the level for such date in connection with the determination of the interest payable with respect to such Interest Payment Period, which could adversely impact the amount of interest payable with respect to that Interest Payment Period.

The notes have early redemption risk. We may redeem the floating rate notes due 2023, (i) in whole but not in part, on January 20, 2022 or (ii) in whole at any time or in part from time to time, on or after December 20, 2022, on at least 5 but not more than 30 days' prior notice. In addition to the optional make-whole redemption discussed above under "Fixed/Floating Rate Notes Due 2031—Other Provisions," we have the option to redeem the fixed/floating rate notes due 2031, (i) in whole but not in part, on January 22, 2030 or (ii) in whole at any time or in part from time to time, on or after October 22, 2030, on at least 5 but not more than 30 days' prior notice. It is more likely that we will redeem the floating rate notes due 2023 or the fixed/floating rate notes due 2031 prior to the respective stated maturity date to the extent that the interest payable on such notes is greater than the interest that would be payable on other instruments of ours of a comparable maturity, of comparable terms and of a

comparable credit rating trading in the market. If the notes are redeemed prior to their respective stated maturity dates, you may have to re-invest the proceeds in a lower interest rate environment.

Optional Redemption

We may, at our option, redeem the floating rate notes due 2023, (i) in whole but not in part, on January 20, 2022 or (ii) in whole at any time or in part from time to time, on or after December 20, 2022, on at least 5 but not more than 30 days' prior notice, at a redemption price equal to 100% of their principal amount, plus accrued and unpaid interest on the floating rate notes due 2023 to but excluding the redemption date. For the avoidance of doubt, if the floating rate notes due 2023 are redeemed in part, the determination of accrued and unpaid interest on the floating rate notes due 2023 so redeemed (determined using a final Interest Payment Date, final Interest Payment Period End-Date and Rate Cut-Off Date relating to the redemption) shall have no effect on the determination of accrued and unpaid interest on the floating rate notes due 2023 that are not so redeemed. Further, if fewer than all of the floating rate notes due 2023 are to be redeemed, the trustee will select, not more than 30 days prior to the redemption date, the particular floating rate notes due 2023 or portions thereof for redemption from the outstanding floating rate notes due 2023 not previously called for redemption by such method as the trustee deems fair and appropriate; provided, that if the floating rate notes due 2023 are represented by one or more global securities, beneficial interests in such floating rate notes due 2023 will be selected for redemption by the applicable depository in accordance with its standard procedures therefor.

In addition to the optional make-whole redemption discussed above under "Fixed/Floating Rate Notes Due 2031—Other Provisions," we may, at our option, redeem the fixed/floating rate notes due 2031, (i) in whole but not in part, on January 22, 2030 or (ii) in whole at any time or in part from time to time, on or after October 22, 2030, on at least 5 but not more than 30 days' prior notice, at a redemption price equal to 100% of their principal amount, plus accrued and unpaid interest on such fixed/floating rate notes due 2031 to but excluding the redemption date. For the avoidance of doubt, if the fixed/floating rate notes due 2031 are redeemed in part, the determination of accrued and unpaid interest on the fixed/floating rate notes due 2031 so redeemed (determined using a final Interest Payment Date, final Interest Payment Period End-Date and Rate Cut-Off Date relating to the redemption) shall have no effect on the determination of accrued and unpaid interest on the fixed/floating rate notes due 2031 that are not so redeemed. Further, if fewer than all of the fixed/floating rate notes due 2031 are to be redeemed, the trustee will select, not more than 30 days prior to the redemption date, the particular fixed/floating rate notes due 2031 or portions thereof for redemption from the outstanding fixed/floating rate notes due 2031 not previously called for redemption by such method as the trustee deems fair and appropriate; provided, that if the fixed/floating rate notes due 2031 are represented by one or more global securities, beneficial interests in such fixed/floating rate notes due 2031 will be selected for redemption by the applicable depository in accordance with its standard procedures therefor.

On or before the respective redemption date, we will deposit with the trustee money sufficient to pay the redemption price of and accrued interest on the notes to be redeemed on that date. If such money is so deposited, on and after the redemption date interest will cease to accrue on such notes (unless we default in the payment of the redemption price and accrued interest) and such notes will cease to be outstanding.

For information regarding notices of redemption, see "Description of Debt Securities—Redemption and Repurchase of Debt Securities—Notice of Redemption" in the accompanying prospectus.

The notes do not contain any provisions affording the holders the right to require us to purchase the notes after the occurrence of any change in control event affecting us.

Secured Overnight Financing Rate

SOFR is published by the New York Federal Reserve and is intended to be a broad measure of the cost of borrowing cash overnight collateralized by U.S. Treasury securities. The New York Federal Reserve reports that SOFR includes all trades in the Broad General Collateral Rate and bilateral Treasury repurchase agreement (repo) transactions cleared through the delivery-versus-payment service offered by the Fixed Income Clearing Corporation (the "FICC"), a subsidiary of The Depository Trust and Clearing Corporation ("DTCC"), and SOFR is filtered by the New York Federal Reserve to remove some (but not all) of the foregoing transactions considered to be "specials." According to the New York Federal Reserve, "specials" are repos for specific-issue collateral, which take place at cash-lending rates below those for general collateral repos because cash providers are willing to accept a lesser return on their cash in order to obtain a particular security.

The New York Federal Reserve reports that SOFR is calculated as a volume-weighted median of transaction-level tri-party repo data collected from The Bank of New York Mellon as well as General Collateral Finance Repo transaction data and data on bilateral Treasury repo transactions cleared through the FICC's delivery-versus-payment service. The New York Federal Reserve also notes that it obtains information from DTCC Solutions LLC, an affiliate of DTCC.

If data for a given market segment were unavailable for any day, then the most recently available data for that segment would be utilized, with the rates on each transaction from that day adjusted to account for any change in the level of market rates in that segment over the intervening period. SOFR would be calculated from this adjusted prior day's data for segments where current data were unavailable, and unadjusted data for any segments where data were available. To determine the change in the level of market rates over the intervening period for the missing market segment, the New York Federal Reserve would use information collected through a daily survey conducted by its Trading Desk of primary dealers' repo borrowing activity. Such daily survey would include information reported by Morgan Stanley & Co. LLC, a wholly owned subsidiary of Morgan Stanley, as a primary dealer.

The New York Federal Reserve notes on its publication page for SOFR that use of SOFR is subject to important limitations, indemnification obligations and disclaimers, including that the New York Federal Reserve may alter the methods of calculation, publication schedule, rate revision practices or availability of SOFR at any time without notice.

Each U.S. Government Securities Business Day, the New York Federal Reserve publishes SOFR on its website at approximately 8:00 a.m., New York City time. If errors are discovered in the transaction data provided by The Bank of New York Mellon or DTCC Solutions LLC, or in the calculation process, subsequent to the initial publication of SOFR but on that same day, SOFR and the accompanying summary statistics may be republished at approximately 2:30 p.m., New York City time. Additionally, if transaction data from The Bank of New York Mellon or DTCC Solutions LLC had previously not been available in time for publication, but became available later in the day, the affected rate or rates may be republished at around this time. Rate revisions will only be effected on the same day as initial publication and will only be republished if the change in the rate exceeds one basis point. Any time a rate is revised, a footnote to the New York Federal Reserve's publication would indicate the revision. This revision threshold will be reviewed periodically by the New York Federal Reserve and may be changed based on market conditions.

Because SOFR is published by the New York Federal Reserve based on data received from other sources, we have no control over its determination, calculation or publication. See "Risk Factors" above.

The information contained in this section "Secured Overnight Financing Rate" is based upon the New York Federal Reserve's Website and other U.S. government sources.

Supplemental Information Concerning Description of Debt Securities—Floating Rate Debt Securities

The provisions set forth below shall apply to the floating rate notes due 2023 and, during the Floating Rate Period, the fixed/floating rate notes due 2031.

Formula for Interest Rates. Notwithstanding the terms set forth in the third sentence under "Description of Debt Securities—Floating Rate Debt Securities—Formula for Interest Rates" in the accompanying prospectus, the following provisions apply to the floating rate notes due 2023 and, during the Floating Rate Period, the fixed/floating rate notes due 2031, in each case instead of the provisions of such sentence. The "Spread" is the number of basis points (one one-hundredth of a percentage point) specified above to be added to the accrued interest compounding factor for an Interest Payment Period.

The amount of interest accrued and payable on the notes for each Interest Payment Period will be equal to the outstanding principal amount of the notes multiplied by the product of:

- (a) the sum of the accrued interest compounding factor plus the Spread for the relevant Interest Payment Period,
- multiplied by -
- (b) the quotient obtained by dividing the actual number of calendar days in such Interest Payment Period by 360.

Notwithstanding the foregoing, in no event will the interest rate payable for any Interest Payment Period be less than zero percent.

How Floating Interest Rates Are Reset. The terms set forth in the accompanying prospectus under "Description of Debt Securities—Floating Rate Debt Securities—How Floating Interest Rates Are Reset" shall not apply to the notes.

How Interest is Calculated. Notwithstanding the terms set forth under "Description of Debt Securities—Floating Rate Debt Securities—How Interest Is Calculated" in the accompanying prospectus, the following provisions apply to the floating rate notes due 2023 and, during the Floating Rate Period, the fixed/floating rate notes due 2031, in each case instead of the provisions of such subsection. On each Interest Payment Date, accrued interest will be paid for the most recently completed

Interest Payment Period. Interest on the notes will accrue from and including the most recent Interest Payment Period End-Date to which interest has been paid or duly provided for, or (i) in the case of the floating rate notes due 2023, if no interest has been paid or duly provided for, from and including the Original Issue Date and (ii) in the case of the fixed/floating rate notes due 2031, in the case of the first Interest Payment Period during the Floating Rate Period, from and including January 22, 2030. Interest will accrue to but excluding the next Interest Payment Period End-Date.

The calculation agent will notify the paying agent of each determination of the interest rate applicable to the notes promptly after the determination is made.

With respect to any Interest Payment Period, the accrued interest compounding factor means the rate of return of a daily compound interest investment computed in accordance with the following formula (with the resulting percentage rounded, if necessary, to the nearest one hundred-thousandth of a percentage point, with 0.000005 being rounded upwards to 0.00001):

$$\left[\prod_{i=1}^{d_0} \left(1 + \frac{\text{SOFRI} \times n_i}{360} \right) - 1 \right] \times \frac{360}{d}$$

“d₀”, for any Interest Payment Period, is the number of U.S. Government Securities Business Days in the relevant Interest Payment Period.

“i” is a series of whole numbers from one to d₀, each representing the relevant U.S. Government Securities Business Days in chronological order from, and including, the first U.S. Government Securities Business Day in the relevant Interest Payment Period.

“SOFRI”, for any day “i” in the relevant Interest Payment Period, is a reference rate equal to SOFR in respect of that day.

“n_i” is the number of calendar days in the relevant Interest Payment Period on which the rate is SOFRI.

“d” is the number of calendar days in the relevant Interest Payment Period.

For these calculations, the interest rate in effect on any U.S. Government Securities Business Day will be the applicable rate as reset on that date. The interest rate applicable to any other day is the interest rate from the immediately preceding U.S. Government Securities Business Day.

Alternative Interest Accrual Calculation in Case of an Event of Default. *In case an event of default with respect to each \$1,000 principal amount of the notes shall have occurred and be continuing, the amount declared due and payable for the notes (the “Stated Principal Amount”) upon any acceleration of the notes shall be determined by the calculation agent, after consultation with us, and shall be an amount in cash equal to the Stated Principal Amount plus accrued and unpaid interest thereon calculated as if the date of such acceleration were the Maturity Date, final Interest Payment Period End-Date (if applicable) and final Interest Payment Date.*

If a Payment Date is Not a Business Day. *The terms set forth in the accompanying prospectus under “Description of Debt Securities—Floating Rate Debt Securities—If a Payment Date Is Not a Business Day” shall not apply to the notes.*

Determination of SOFR

The notes will bear interest at the interest rate specified in such note and this pricing supplement. With respect to the floating rate notes due 2023 and, during the Floating Rate Period, the fixed/floating rate notes due 2031, that interest rate will be based on SOFR with the Index Maturity specified above.

“SOFR” means, with respect to any U.S. Government Securities Business Day:

(1) the Secured Overnight Financing Rate in respect of such U.S. Government Securities Business Day as provided by the New York Federal Reserve, as the administrator of such rate (or a successor administrator) on the New York Federal Reserve’s Website on or about 5:00 p.m. (New York time) on the U.S. Government Securities Business Day immediately following such U.S. Government Securities Business Day; or

(2) if the Secured Overnight Financing Rate in respect of such U.S. Government Securities Business Day does not appear as specified in paragraph (1), unless both a Benchmark Transition Event and its related Benchmark Replacement Date have occurred, the Secured Overnight Financing Rate in respect of the last U.S. Government Securities Business Day for which such rate was published on the New York Federal Reserve's Website; or

(3) if a Benchmark Transition Event and its related Benchmark Replacement Date have occurred:

- the sum of: (a) the alternate rate of interest that has been selected or recommended by the Relevant Governmental Body as the replacement for the then-current Benchmark for the applicable Corresponding Tenor and (b) the Benchmark Replacement Adjustment; or
- the sum of: (a) the ISDA Fallback Rate and (b) the Benchmark Replacement Adjustment; or
- the sum of: (a) the alternate rate of interest that has been selected by us or our designee as the replacement for the then-current Benchmark for the applicable Corresponding Tenor giving due consideration to any industry-accepted rate of interest as a replacement for the then-current Benchmark for U.S. dollar-denominated floating rate notes at such time and (b) the Benchmark Replacement Adjustment.

"Benchmark" means the Secured Overnight Financing Rate with the Index Maturity specified above; provided that if a Benchmark Transition Event and its related Benchmark Replacement Date have occurred with respect to the Secured Overnight Financing Rate with the Index Maturity specified above or the then-current Benchmark, then "Benchmark" means the applicable Benchmark Replacement.

"Benchmark Replacement" means the first alternative set forth in the order presented in clause (3) of the definition of "SOFR" that can be determined by us or our designee as of the Benchmark Replacement Date. In connection with the implementation of a Benchmark Replacement, we or our designee will have the right to make Benchmark Replacement Conforming Changes from time to time.

"Benchmark Replacement Adjustment" means the first alternative set forth in the order below that can be determined by us or our designee as of the Benchmark Replacement Date:

(1) the spread adjustment, or method for calculating or determining such spread adjustment, (which may be a positive or negative value or zero) that has been selected or recommended by the Relevant Governmental Body for the applicable Unadjusted Benchmark Replacement;

(2) if the applicable Unadjusted Benchmark Replacement is equivalent to the ISDA Fallback Rate, then the ISDA Fallback Adjustment;

(3) the spread adjustment (which may be a positive or negative value or zero) that has been selected by us or our designee giving due consideration to any industry-accepted spread adjustment, or method for calculating or determining such spread adjustment, for the replacement of the then-current Benchmark with the applicable Unadjusted Benchmark Replacement for U.S. dollar-denominated floating rate notes at such time.

"Benchmark Replacement Conforming Changes" means, with respect to any Benchmark Replacement, any technical, administrative or operational changes (including changes to the definition of "Interest Payment Period," timing and frequency of determining rates and making payments of interest and other administrative matters) that we or our designee decide may be appropriate to reflect the adoption of such Benchmark Replacement in a manner substantially consistent with market practice (or, if we or our designee decide that adoption of any portion of such market practice is not administratively feasible or if we or our designee determine that no market practice for use of the Benchmark Replacement exists, in such other manner as we or our designee determine is reasonably necessary).

"Benchmark Replacement Date" means the earliest to occur of the following events with respect to the then-current Benchmark:

(1) in the case of clause (1) or (2) of the definition of "Benchmark Transition Event," the later of (a) the date of the public statement or publication of information referenced therein and (b) the date on which the administrator of the Benchmark permanently or indefinitely ceases to provide the Benchmark; or

(2) in the case of clause (3) of the definition of "Benchmark Transition Event," the date of the public statement or publication of information referenced therein.

For the avoidance of doubt, if the event giving rise to the Benchmark Replacement Date occurs on the same day as, but earlier than, the Reference Time in respect of any determination, the Benchmark Replacement Date will be deemed to have occurred prior to the Reference Time for such determination.

“Benchmark Transition Event” means the occurrence of one or more of the following events with respect to the then-current Benchmark:

(1) a public statement or publication of information by or on behalf of the administrator of the Benchmark announcing that such administrator has ceased or will cease to provide the Benchmark, permanently or indefinitely, provided that, at the time of such statement or publication, there is no successor administrator that will continue to provide the Benchmark;

(2) a public statement or publication of information by the regulatory supervisor for the administrator of the Benchmark, the central bank for the currency of the Benchmark, an insolvency official with jurisdiction over the administrator for the Benchmark, a resolution authority with jurisdiction over the administrator for the Benchmark or a court or an entity with similar insolvency or resolution authority over the administrator for the Benchmark, which states that the administrator of the Benchmark has ceased or will cease to provide the Benchmark permanently or indefinitely, provided that, at the time of such statement or publication, there is no successor administrator that will continue to provide the Benchmark; or

(3) a public statement or publication of information by the regulatory supervisor for the administrator of the Benchmark announcing that the Benchmark is no longer representative.

A “business day” means any day, other than a Saturday or Sunday, that is neither a legal holiday nor a day on which banking institutions are authorized or required by law or regulation to close in The City of New York.

“Corresponding Tenor” with respect to a Benchmark Replacement means a tenor (including overnight) having approximately the same length (disregarding business day adjustment) as the applicable tenor for the then-current Benchmark.

“ISDA Definitions” means the 2006 ISDA Definitions published by the International Swaps and Derivatives Association, Inc. or any successor thereto, as amended or supplemented from time to time, or any successor definitional booklet for interest rate derivatives published from time to time.

“ISDA Fallback Adjustment” means the spread adjustment (which may be a positive or negative value or zero) that would apply for derivatives transactions referencing the ISDA Definitions to be determined upon the occurrence of an index cessation event with respect to the Benchmark for the applicable tenor.

“ISDA Fallback Rate” means the rate that would apply for derivatives transactions referencing the ISDA Definitions to be effective upon the occurrence of an index cessation date with respect to the Benchmark for the applicable tenor excluding the applicable ISDA Fallback Adjustment.

“New York Federal Reserve” means the Federal Reserve Bank of New York.

“New York Federal Reserve’s Website” means the website of the New York Federal Reserve, currently at <http://www.newyorkfed.org>, or any successor source.

“Reference Time” with respect to any determination of the Benchmark means the time determined by us or our designee in accordance with the Benchmark Replacement Conforming Changes.

“Relevant Governmental Body” means the Federal Reserve Board and/or the Federal Reserve Bank of New York, or a committee officially endorsed or convened by the Federal Reserve Board and/or the Federal Reserve Bank of New York or any successor thereto.

“U.S. Government Securities Business Day” means any day except for a Saturday, Sunday or a day on which the Securities Industry and Financial Markets Association recommends that the fixed income departments of its members be closed for the entire day for purposes of trading in U.S. government securities.

“Unadjusted Benchmark Replacement” means the Benchmark Replacement excluding the Benchmark Replacement Adjustment.

If a Benchmark Transition Event and its related Benchmark Replacement Date have occurred, any determination, decision or election that may be made by us or our designee pursuant to this section “Determination of SOFR,” including any determination with respect to a tenor, rate or adjustment or of the occurrence or non-occurrence of an event, circumstance or date and any decision to take or refrain from taking any action or any selection:

- will be conclusive and binding absent manifest error;
- will be made in our or our designee’s sole discretion; and
- notwithstanding anything to the contrary in the documentation relating to the notes, shall become effective without consent from the holders of the notes or any other party.

United States Federal Taxation

Tax Considerations for the Floating Rate Notes Due 2023

In the opinion of our counsel, Davis Polk & Wardwell LLP, the floating rate notes due 2023 should be treated as “variable rate debt instruments” for U.S. federal tax purposes. See the discussion in the section of the accompanying prospectus supplement called “United States Federal Taxation—Tax Consequences to U.S. Holders—Floating Rate Notes—General.”

In addition, as discussed in the accompanying prospectus supplement, withholding rules commonly referred to as “FATCA” apply to certain financial instruments (including the floating rate notes due 2023) with respect to payments of amounts treated as interest and to any payment of gross proceeds of a disposition (including retirement) of such an instrument. However, recently proposed Treasury Regulations (the preamble to which specifies that taxpayers are permitted to rely on them pending finalization) eliminate the withholding requirement on payments of gross proceeds of a taxable disposition (other than amounts treated as “FDAP income” as defined in the accompanying prospectus supplement).

Tax Considerations for the Fixed/Floating Rate Notes Due 2031

In the opinion of our counsel, Davis Polk & Wardwell LLP, the fixed/floating rate notes due 2031 should be treated as “variable rate debt instruments” for U.S. federal tax purposes. The fixed/floating rate notes due 2031 will be treated as providing for a single fixed rate followed by a single qualified floating rate (“QFR”), as described in the sections of the accompanying prospectus supplement called “United States Federal Taxation—Tax Consequences to U.S. Holders—Floating Rate Notes—General” and “—Floating Rate Notes that Provide for Multiple Rates.” Under applicable Treasury Regulations, in order to determine the amount of qualified stated interest (“QSI”) and original issue discount (“OID”) in respect of the fixed/floating rate notes due 2031, an equivalent fixed rate debt instrument must be constructed for the entire term of the fixed/floating rate notes due 2031. The equivalent fixed rate debt instrument is constructed in the following manner: (i) first, the initial fixed rate is converted to a QFR that would preserve the fair market value of the fixed/floating rate notes due 2031, and (ii) second, each QFR (including the QFR determined under (i) above) is converted to a fixed rate substitute (which will generally be the value of that QFR as of the issue date of the fixed/floating rate notes due 2031). Under Treasury Regulations applicable to certain options arising under the terms of a debt instrument, in determining the amount of QSI and OID, we will be deemed to exercise our optional redemption right if doing so would reduce the yield on the equivalent fixed rate debt instrument. For the purpose of determining QSI and OID, the optional make-whole redemption should not be deemed to be exercised. However, if, as of the issue date, redeeming the fixed/floating rate notes due 2031 on January 22, 2030 would reduce the yield of the equivalent fixed rate debt instrument, the fixed/floating rate notes due 2031 will be treated as fixed rate debt instruments maturing on January 22, 2030 (the “instrument maturing January 2030”). Under those circumstances, if the fixed/floating rate notes due 2031 are not actually redeemed by us on January 22, 2030, solely for purposes of the OID rules, they will be deemed retired and reissued for their principal amount, and will thereafter be treated as floating rate debt instruments with a term of one year (the “1-year instrument”). The instrument maturing January 2030 would be treated as issued without OID, and all payments of interest thereon would be treated as QSI. Interest on the 1-year instrument should generally be taken into account when received or accrued, according to your method of tax accounting, but it is possible that the 1-year instrument could be subject to the rules described under “United States Federal Taxation—Tax Consequences to U.S. Holders—Short-Term Notes” in the accompanying prospectus supplement.

If, as of the issue date, redeeming the fixed/floating rate notes due 2031 on January 22, 2030 would not reduce the yield on the equivalent fixed rate debt instrument, the rules under “United States Federal Taxation—Tax Consequences to U.S. Holders—Discount Notes—General” must be applied to the equivalent fixed rate debt instrument to determine the amounts of QSI and OID on the fixed/floating rate notes due 2031. Under those circumstances, the fixed/floating rate notes due 2031 may be issued with OID.

A U.S. holder is required to include any QSI in income in accordance with the U.S. holder's regular method of accounting for U.S. federal income tax purposes. U.S. holders will be required to include any OID in income for U.S. federal income tax purposes as it accrues, in accordance with a constant yield method based on a compounding of interest. QSI allocable to an accrual period must be increased (or decreased) by the amount, if any, which the interest actually accrued or paid during an accrual period (including the fixed rate payments made during the initial period) exceeds (or is less than) the interest assumed to be accrued or paid during the accrual period under the equivalent fixed rate debt instrument.

In addition, as discussed in the accompanying prospectus supplement, withholding rules commonly referred to as "FATCA" apply to certain financial instruments (including the fixed/floating rate notes due 2031) with respect to payments of amounts treated as interest (including OID, if any) and to any payment of gross proceeds of a disposition (including retirement) of such an instrument. However, recently proposed Treasury Regulations (the preamble to which specifies that taxpayers are permitted to rely on them pending finalization) eliminate the withholding requirement on payments of gross proceeds of a taxable disposition (other than amounts treated as "FDAP income" as defined in the accompanying prospectus supplement).

Both U.S. and non-U.S. holders of the notes should read the section of the accompanying prospectus supplement entitled "United States Federal Taxation."

You should consult your tax adviser regarding all aspects of the U.S. federal tax consequences of an investment in the notes, as well as any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction. Moreover, neither this document nor the accompanying prospectus supplement address the consequences to taxpayers subject to special accounting rules under Section 451(b) of the Internal Revenue Code of 1986, as amended.

The discussion in the preceding paragraphs under "United States Federal Taxation," and the discussion contained in the section entitled "United States Federal Taxation" in the accompanying prospectus supplement, insofar as they purport to describe provisions of U.S. federal income tax laws or legal conclusions with respect thereto, constitute the full opinion of Davis Polk & Wardwell LLP regarding the material U.S. federal tax consequences of an investment in the notes.

Supplemental Information Concerning Plan of Distribution; Conflicts of Interest

On January 16, 2020, we agreed to sell to the managers listed below, and they severally agreed to purchase, the principal amounts of notes set forth opposite their respective names below at a net price of 99.75%, plus accrued interest, if any, for the floating rate notes due 2023 and at a net price of 99.55%, plus accrued interest, if any, for the fixed/floating rate notes due 2031, each of which we refer to as the "purchase price" for the respective notes. The purchase price for the floating rate notes due 2023 equals the stated issue price of 100%, plus accrued interest, if any, less a combined management and underwriting commission of 0.25% of the principal amount of the floating rate notes due 2023, and the purchase price for the fixed/floating rate notes due 2031 equals the stated issue price of 100%, plus accrued interest, if any, less a combined management and underwriting commission of 0.45% of the principal amount of the fixed/floating rate notes due 2031.

Name	Principal Amount of Floating Rate Notes Due 2023	Principal Amount of Fixed/Floating Rate Notes Due 2031
Morgan Stanley & Co. LLC	\$1,850,000,000	\$2,450,000,000
MUFG Securities Americas Inc.	\$250,000,000	\$350,000,000
ABN AMRO Securities (USA) LLC	-	\$35,000,000
Academy Securities, Inc.	-	\$35,000,000
ANZ Securities, Inc.	-	\$35,000,000
Banca IMI SpA	\$25,000,000	-
BANKIA, S.A.	\$25,000,000	-
BMO Capital Markets Corp.	\$25,000,000	-
BNY Mellon Capital Markets, LLC	\$25,000,000	-
Capital One Securities, Inc.	-	\$35,000,000
Citizens Capital Markets, Inc.	\$25,000,000	-
Comerica Securities, Inc.	\$25,000,000	-
Commonwealth Bank of Australia	-	\$35,000,000
FHN Financial Securities Corp.	-	\$35,000,000
Fifth Third Securities, Inc.	-	\$35,000,000
ING Financial Markets LLC	-	\$35,000,000
Keybank Capital Markets Inc.	-	\$35,000,000
KKR Capital Markets LLC	\$25,000,000	-
Lloyds Securities Inc.	-	\$35,000,000

<i>MFR Securities, Inc.</i>	\$25,000,000	--
<i>Natixis Securities Americas LLC</i>	\$25,000,000	-
<i>NatWest Markets Securities Inc.</i>	\$25,000,000	-
<i>Nykredit Bank A/S</i>	\$25,000,000	-
<i>PNC Capital Markets LLC</i>	-	\$35,000,000
<i>R. Seelaus & Co., LLC</i>	-	\$35,000,000
<i>Rabo Securities USA, Inc.</i>	\$25,000,000	-
<i>RB International Markets (USA) LLC</i>	\$25,000,000	-
<i>Regions Securities LLC</i>	\$25,000,000	-
<i>Samuel A. Ramirez & Company, Inc.</i>	\$25,000,000	-
<i>Santander Investment Securities Inc.</i>	-	\$35,000,000
<i>Scotia Capital (USA) Inc.</i>	-	\$35,000,000
<i>SG Americas Securities, LLC</i>	-	\$35,000,000
<i>Standard Chartered Bank</i>	-	\$35,000,000
<i>SunTrust Robinson Humphrey, Inc.</i>	-	\$35,000,000
<i>TD Securities (USA) LLC</i>	-	\$35,000,000
<i>The Huntington Investment Company</i>	\$25,000,000	-
<i>U.S. Bancorp Investments, Inc.</i>	-	\$35,000,000
<i>UniCredit Capital Markets LLC</i>	-	\$35,000,000
Total	\$2,500,000,000	\$3,500,000,000

Morgan Stanley & Co. LLC is our wholly-owned subsidiary. Mitsubishi UFJ Financial Group, Inc., the ultimate parent of MUFG Securities Americas Inc. (one of the managers), holds an approximately 24% interest in Morgan Stanley. This offering will be conducted in compliance with the requirements of Rule 5121 of the Financial Industry Regulatory Authority, Inc., which is commonly referred to as FINRA, regarding a FINRA member firm's distribution of the securities of an affiliate and related conflicts of interest. In accordance with Rule 5121 of FINRA, Morgan Stanley & Co. LLC and MUFG Securities Americas Inc. may not make sales in this offering to any discretionary accounts without the prior written approval of the customer.

Commonwealth Bank of Australia and Standard Chartered Bank are not U.S. registered broker-dealers and, therefore, to the extent that they intend to effect any sales of the notes in the United States, they will do so through one or more U.S. registered broker-dealers as permitted by FINRA regulations.

Notwithstanding the selling and other restrictions set forth in "Plan of Distribution (Conflicts of Interest)" in the accompanying prospectus supplement, the following applies with respect to securities offered or sold in the EEA:

Prohibition of Sales to EEA Retail Investors

The notes may not be offered, sold or otherwise made available to any retail investor in the EEA. For the purposes of this provision:

- (a) the expression "retail investor" means a person who is one (or more) of the following:*
 - (i) a retail client as defined in point (11) of Article 4(1) of MiFID II; or*
 - (ii) a customer within the meaning of the Insurance Distribution Directive, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or*
 - (iii) not a qualified investor as defined in the Prospectus Regulation; and*
- (b) the expression "offer" includes the communication in any form and by any means of sufficient information on the terms of the offer and the notes to be offered so as to enable an investor to decide to purchase or subscribe for the notes.*

Validity of the Notes

In the opinion of Davis Polk & Wardwell LLP, as special counsel to Morgan Stanley, when the notes offered by this pricing supplement have been executed and issued by Morgan Stanley, authenticated by the trustee pursuant to the Senior Debt Indenture (as defined in the accompanying prospectus) and delivered against payment as contemplated herein, such notes will be valid and binding obligations of Morgan Stanley, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability (including, without limitation, concepts of good faith, fair dealing and the lack of bad faith), provided that such counsel expresses no opinion as to the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law on the conclusions expressed above. This opinion is given as of the date hereof and is limited to the laws of the State of New York and the General Corporation Law of the State of Delaware. In addition, this opinion is subject to customary assumptions about the trustee's authorization, execution and delivery of the Senior Debt Indenture and its authentication of the notes and the validity, binding nature and enforceability of the Senior Debt Indenture with respect to the trustee, all as stated in the letter of such counsel dated November 16, 2017, which is Exhibit 5-a to the Registration Statement on Form S-3 filed by Morgan Stanley on November 16, 2017.

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