

MORGAN STANLEY
Form FWP
March 04, 2019

Free Writing Prospectus to Preliminary Terms
No. 1,655

Morgan Stanley Finance LLC

Registration Statement Nos. 333-221595;
333-221595-01

Structured Investments

Dated March 1, 2019

Filed pursuant to Rule 433

Jump Notes with Auto-Callable Feature due March 31, 2026

This document provides a summary of the terms of the notes offered by Morgan Stanley Finance LLC. Investors should review carefully the accompanying preliminary terms, product supplement and prospectus prior to making an investment decision.

SUMMARY TERMS

Issuer: Morgan Stanley Finance LLC (“MSFL”)

Guarantor: Morgan Stanley

Maturity date: March 31, 2026

Underlying indices: Morgan Stanley MAP Trend Index. For more information about the underlying indices, see the accompanying preliminary terms.

Issue Price: \$1,000 per note

Early redemption: If, on any annual determination date (other than the final determination date), the index closing value of the underlying index is **greater than or equal to** the then-applicable redemption threshold level, the notes will be automatically redeemed for the applicable early redemption payment on the related early redemption date. No further payments will be made on the notes once they have been redeemed.

The early redemption payment will be an amount in cash per stated principal amount (corresponding to a return of at least approximately 7.50% *per annum*, to be determined on the pricing date) for each annual determination date, as follows:

1st determination date: At least \$1,075.00

2nd determination date: At least \$1,150.00

Early redemption payment: 3rd determination date: At least \$1,225.00

4th determination date: At least \$1,300.00

5th determination date: At least \$1,375.00

6th determination date: At least \$1,450.00

No further payments will be made on the notes once they have been redeemed.

Determination dates: 1st determination date: March 27, 2020

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2nd determination date: March 26, 2021

3rd determination date: March 28, 2022

4th determination date: March 27, 2023

5th determination date: March 26, 2024

6th determination date: March 26, 2025

Final determination date: March 26, 2026

The determination dates are subject to postponement for non-index business days and certain market disruption events.

Early redemption dates:

The third business day following the relevant determination date

1st determination date: At most 102.00% of the initial index value

2nd determination date: At most 104.00% of the initial index value

3rd determination date: At most 106.00% of the initial index value

Redemption threshold levels*:

4th determination date: At most 108.00% of the initial index value

5th determination date: At most 110.00% of the initial index value

6th determination date: At most 112.00% of the initial index value

*The actual redemption threshold level percentage with respect to each determination date will be determined on the pricing date.

If the notes have not previously been redeemed, you will receive at maturity a cash payment as follows:

Payment at maturity:

· If the final index value is **greater than** the initial index value:

\$1,000 + (\$1,000 x index percent change)

· If the final index value is **less than or equal to** the initial index value:

\$1,000

Index percent change:

(final index value – initial index value) / initial index value

Initial index value: The index closing value on the pricing date

Final index value: The index closing value on the final determination date

Stated principal amount: \$1,000 per note

Pricing date: March 26, 2019

Original issue date: March 29, 2019 (3 business days after the pricing date)

CUSIP / ISIN: 61768DV28 / US61768DV289

Listing: The notes will not be listed on any securities exchange.

Agent:

Morgan Stanley & Co. LLC, an affiliate of MSFL and a wholly owned subsidiary of Morgan Stanley. See “Supplemental information regarding plan of distribution; conflicts of interest” in the accompanying preliminary terms. The agent commissions will be as set forth in the final pricing supplement.

Estimated value on the pricing date:

Approximately \$947.10 per note, or within \$30.00 of that estimate. See “Investment Summary” in the accompanying preliminary terms.

Overview

The notes offered are unsecured obligations of MSFL and are fully and unconditionally guaranteed by Morgan Stanley. The notes will pay no interest and have the terms described in the accompanying preliminary terms, product supplement and prospectus. The notes will be automatically redeemed if the index closing value on any annual determination date is greater than or equal to the then-applicable redemption threshold level (which will increase over the term of the notes), for an early redemption payment that will increase over the term of the notes and that will correspond to a return of at least approximately 7.50% *per annum* (to be determined on the pricing date), as described below. No further payments will be made on the notes once they have been redeemed, and the investor will not participate in any appreciation of the underlying index if the notes are redeemed early. At maturity, if the notes have not previously been redeemed and the final index value is greater than the initial index value, investors will receive the state principal amount *plus* 1-to-1 upside performance of the underlying index. However, if the notes are not automatically redeemed prior to maturity and the final index value is less than or equal to the initial index value, investors will receive only the stated principal amount of their investment, without any positive return on the notes.

The Morgan Stanley MAP Trend Index (the “underlying index”) was established by Morgan Stanley on March 7, 2017 and employs a rules-based quantitative strategy (the “Index Methodology”) that combines a risk-weighted approach to portfolio construction with a momentum-based, or trend-following, asset allocation methodology to construct a notional portfolio. In addition, the strategy imposes an overall volatility-targeting feature upon the resulting portfolio. The goal of the underlying index is to seek positive return opportunities in different market environments based upon recent trends in the underlying assets. The investment assumption underlying the allocation strategy is two-fold: that historical volatility of the underlying assets can be used to risk-weight a portfolio, and that past trends are likely to continue to be a good indicator of the future performance of that portfolio

The components of the underlying index consist of (i) 20 U.S.-listed exchange traded funds (“ETFs”), representing U.S. and non-U.S. equities, fixed income securities, commodities and real estate, and (ii) the Morgan Stanley Two Year Treasury Index (collectively, the “Index Components”). The notional portfolio constructed by the Index Methodology of Index Components is referred to as the “Asset Portfolio.” The Asset Portfolio will consist of long-only positions in each Index Component, and each Index Component except for the Morgan Stanley Two Year Treasury Index is subject to a maximum exposure cap. The targeted volatility for the underlying index is 5% (the “Volatility Target”).

The underlying index is rebalanced each Strategy Business Day (the “Daily Rebalancing”). Upon each Daily Rebalancing for the underlying index, the Index Methodology uses the pre-assigned Risk Budget assigned to each ETF (as set forth under “Annex A – Morgan Stanley MAP Trend Index – Index Components”) and the volatility for each ETF to make initial base allocations. The Index Methodology then calculates a signal based on the upward or downward trend of each ETF (the “Trend Signal”). The index calculates each Trend Signal by observing two moving averages, one short-term and one long-term, over different look-back periods for each respective ETF. A Trend Signal that converges toward one indicates an upward trend and a Trend Signal that converges toward zero indicates a downward trend. Once the Trend Signal is calculated for each ETF, the previously determined base allocations are scaled by the Trend Signal by allocating more upward-trending securities to the Asset Portfolio. The magnitude of each position taken by the underlying index following the Trend Signal adjustment is then scaled to the Volatility Target based on a pro-rata volatility-scaling that seeks to achieve a balanced level of volatility in the underlying index’s exposure to each of the ETFs.

The underlying index is calculated on an excess return basis, and therefore the level reflects the weighted return of the Asset Portfolio reduced by the return on an equivalent cash investment receiving the 3-month LIBOR. The underlying index performance is further reduced by a servicing cost of 0.85% per annum calculated on a daily basis. For more information about the underlying index, see “Morgan Stanley MAP Trend Index Overview” and “Risk Factors” in the accompanying preliminary terms.

These long-dated notes are for investors who are concerned about principal risk but seek exposure to a multiple asset-linked index, who are willing to accept that the underlying index’s Volatility Target feature may reduce upside performance in bullish markets, and who are willing to forgo current income in exchange for the possibility of receiving an early redemption payment or payment at maturity greater than the stated principal amount if the underlying index closes at or above the applicable redemption threshold level or above the initial index value, as applicable, on an annual determination date. The notes are notes issued as part of MSFL’s Series A Global Medium-Term Notes program.

All payments are subject to our credit risk. If we default on our obligations, you could lose some or all of your investment. These notes are not secured obligations and you will not have any security interest in, or otherwise have any access to, any underlying reference asset or assets.

Investing in the notes involves risks. See “Selected Risks” on the following page and “Risk Factors” in the accompanying preliminary terms.

You should read this document together with the accompanying preliminary terms, product supplement and prospectus describing the offering before you decide to invest. You may access the preliminary terms through the below link:

https://www.sec.gov/Archives/edgar/data/895421/000095010319002669/dp102906_424b2-ps1655.htm

The issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the issuer has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at www.sec.gov. Alternatively, the issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus if you request it by calling toll-free 1-800-584-6837.

Risk Considerations

The risks set forth below are discussed in more detail in the “Risk Factors” section in the accompanying preliminary terms. Please review those risk factors carefully prior to making an investment decision.

- The notes do not pay interest and may not pay more than the stated principal amount at maturity. If the notes are automatically redeemed prior to maturity, the appreciation potential of the notes is limited by the fixed early redemption payment specified for each of the first six annual determination dates. The automatic early redemption feature may limit the term of your investment to as short as approximately one year. If the notes are redeemed early, you may not be able to reinvest at comparable terms or returns.

- The redemption threshold level increases progressively over the term of the notes.

- The market price of the notes will be influenced by many unpredictable factors.

The notes are subject to our credit risk, and any actual or anticipated changes to our credit ratings or credit spreads may adversely affect the market value of the notes.

- As a finance subsidiary, MSFL has no independent operations and will have no independent assets.

- There are risks associated with the underlying index.

- o The level of the underlying index can go down as well as up.

- o The base allocation of ETFs in the Asset Portfolio is determined in reference to each ETF’s Risk Budget and volatility.

- o There are risks associated with the underlying index’s momentum investment strategy.

- o Low volatility in the underlying index is not synonymous with low risk in an investment linked to the underlying index.

- o While the underlying index has a Volatility Target of 5%, there can be no guarantee, even if the Asset Portfolio is rebalanced daily, that the realized volatility of the underlying index will not be less than or greater than 5%.

- o There can be no assurance that the actual volatility of the underlying index will be lower than the volatility of any or all of the Index Components.

- o The volatility target feature of the underlying index may dampen its performance in bullish markets.

- o The value of the underlying index and any instrument linked to the underlying index may increase or decrease due to a number of factors, many of which are beyond our control.

- o The future performance of the underlying index may bear little or no relation to the historical or hypothetical retrospective performance of the underlying index.

- o The underlying index is particularly susceptible to “choppy” markets.

- o The underlying index has fixed weighting constraints.

- o The underlying index was established on March 7, 2017 and therefore has a very limited history.

- o As the underlying index is new and has very limited actual historical performance, any investment in the underlying index may involve greater risk than an investment in an index with longer actual historical performance and a proven track record.

- o The underlying index is reduced by an excess return cost.

- o The underlying index contains embedded costs.

- o

An investment in the notes involves risks associated with emerging markets equities and bonds, currency exchange rates and commodities.

o Changes in the value of the Index Components may offset each other.

o The Morgan Stanley Two Year Treasury Index can produce negative returns, which may have an adverse effect on the level of the respective Sub-Indices, and consequently, the level of the index.

o Adjustments to the underlying index could adversely affect the value of instruments linked to the underlying index.

o Investing in the notes is not equivalent to investing in the underlying index. Investing in the notes is not equivalent to investing in the underlying index or its component ETFs or the Morgan Stanley Two Year Treasury Index.

o Reliance on information.

o Research.

MS & Co., which is a subsidiary of Morgan Stanley and an affiliate of MSFL, is both the calculation agent and the underlying index publisher, and will make determinations with respect to the notes and the underlying index.

The rate we are willing to pay for securities of this type, maturity and issuance size is likely to be lower than the rate implied by our secondary market credit spreads and advantageous to us. Both the lower rate and the inclusion of costs associated with issuing, selling, structuring and hedging the notes in the original issue price reduce the economic terms of the notes, cause the estimated value of the notes to be less than the original issue price and will adversely affect secondary market prices.

The estimated value of the notes is determined by reference to our pricing and valuation models, which may differ from those of other dealers and is not a maximum or minimum secondary market price.

Adjustments to the underlying index could adversely affect the value of the notes.

Investing in the notes is not equivalent to investing in the underlying index.

The notes will not be listed on any securities exchange and secondary trading may be limited. Accordingly, you should be willing to hold your notes for the entire 7-year term of the notes.

Hedging and trading activity by our affiliates could potentially adversely affect the value of the notes.

Tax Considerations

You should review carefully the discussion in the accompanying preliminary terms under the caption “Additional Information About the Notes– Tax considerations” concerning the U.S. federal income tax consequences of an investment in the notes. However, you should consult your tax adviser regarding all aspects of the U.S. federal income 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.

Hypothetical Examples

The following hypothetical examples are for illustrative purposes only. Whether the notes are redeemed prior to maturity will be determined by reference to the index closing value of the underlying index on each annual determination date, and the payment at maturity, if the notes are not redeemed early, will be determined by reference to the index closing value on the final determination date. The actual initial index value, redemption threshold level and early redemption payment amounts will be determined on the pricing date. Some numbers appearing in the examples below have been rounded for ease of analysis. All payments on the notes are subject to our credit risk. The below examples are based on the following terms:

Stated principal amount: \$1,000 per note

Hypothetical Initial Index Value: 200

1st determination date: 204, which is 102.00% of the hypothetical initial index value

2nd determination date: 208, which is 104.00% of the hypothetical initial index value

Hypothetical Redemption Threshold Levels: 3rd determination date: 212, which is 106.00% of the hypothetical initial index value
4th determination date: 216, which is 108.00% of the hypothetical initial index value

5th determination date: 220, which is 110.00% of the hypothetical initial index value

6th determination date: 224, which is 112.00% of the hypothetical initial index value

Hypothetical Early Redemption Payment: The early redemption payment will be an amount in cash per stated principal amount (corresponding to a return of approximately 7.50% *per annum*) for each annual determination date, as follows:

•1st determination date: \$1,075.00

•2nd determination date: \$1,150.00

•3rd determination date: \$1,225.00

•Lth determination date: \$1,300.00

•Mth determination date: \$1,375.00

•Nth determination date: \$1,450.00

No further payments will be made on the notes once they have been redeemed.

If the notes have not previously been redeemed, you will receive at maturity a cash payment as follows:

· If the final index value is **greater than** the initial index value:

Payment at Maturity: $\$1,000 + (\$1,000 \times \text{index percent change})$

· If the final index value is **less than or equal to** the initial index value:

1,000

Automatic Call:

Example 1 — the notes are redeemed following the second determination date (which occurs in March 2021)

Date	Index Closing Value	Payment (per note)
1 st Determination Date	200 (below the applicable redemption threshold level, notes are not redeemed)	--
2 nd Determination Date	280 (at or above the applicable redemption threshold level, notes are automatically redeemed)	\$1,150.00

In this example, the index closing value on the first determination date is below the applicable redemption threshold level, and the index closing value on the second determination date is at or above the applicable redemption threshold level. Therefore the notes are automatically redeemed on the second early redemption date. Investors will receive \$1,150.00 per note on the related early redemption date, corresponding to an annual return of approximately 7.50%. No further payments will be made on the notes once they have been redeemed, and investors do not participate in the appreciation of the underlying index.

Payment at Maturity

In the following examples, the index closing value on each annual determination date is less than the applicable redemption threshold level, and, consequently, the notes are not automatically redeemed prior to, and remain outstanding until, maturity.

Example 1 — the final index value is above the initial index value

Date	Index Closing Value	Payment (per note)
1 st Determination Date	190 (below the applicable redemption threshold level, notes are not redeemed)	--
2 nd Determination Date	200 (below the applicable redemption threshold level, notes are not redeemed)	--
3 rd Determination Date	195 (below the applicable redemption threshold level, notes are not redeemed)	--
4 th Determination Date	201 (below the applicable redemption threshold level, notes are not redeemed)	--
5 th Determination Date	200 (below the applicable redemption threshold level, notes are not redeemed)	--
6 th Determination Date	202 (below the applicable redemption threshold level, notes are not redeemed)	--
		= \$1,000 + (\$1,000 x index percent change)
Final Determination Date	220 (above the initial index value)	= \$1,000 + \$100 = \$1,100
		Payment at maturity = \$1,100

In this example, the index closing value is below the applicable redemption threshold level on each of the determination dates before the final determination date, and therefore the notes are not redeemed prior to maturity. On the final determination date, the underlying index has appreciated 10% from the hypothetical initial index value. At maturity, investors receive the stated principal amount *plus* the product of the stated principal amount *times* the index percent change. Because the underlying index has appreciated 10% from the hypothetical index value, the payment at maturity is \$1,100 per note.

Example 2 — the final index value is at or below the initial index value

Date	Index Closing Value	Payment (per note)
1 st Determination Date	190 (below the applicable redemption threshold level, notes are not redeemed)	--
2 nd Determination Date	200 (below the applicable redemption threshold level, notes are not redeemed)	--
3 rd Determination Date	195 (below the applicable redemption threshold level, notes are not redeemed)	--
4 th Determination Date	201 (below the applicable redemption threshold level, notes are not redeemed)	--
5 th Determination Date	200 (below the applicable redemption threshold level, notes are not redeemed)	--
6 th Determination Date	202 (below the applicable redemption threshold level, notes are not redeemed)	--
Final Determination Date	180 (at or below the initial index value)	Payment at maturity = \$1,000

In this example, the index closing value is below the applicable redemption threshold level on each of the determination dates before the final determination date, and therefore the notes are not redeemed prior to maturity. On the final determination date, the final index value is at or below the initial index value, and accordingly, investors receive a payment at maturity equal to the stated principal amount of \$1,000 per note, without any positive return on the notes.

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The license agreement between S&P and us provides that the following language must be set forth in this pricing supplement:

The notes are not sponsored, endorsed, sold or promoted by S&P Dow Jones Indices LLC, Dow Jones, Standard and Poor's Financial Services LLC or any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices make no representation or warranty, express or implied, to the holders of the notes or any member of the public regarding the advisability of investing in securities generally or in the notes particularly or the ability of the Index to track general market performance. S&P Dow Jones Indices' only relationship to us with respect to the Index is the licensing of the Index and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its third party licensors. The Index is determined, composed and calculated by S&P Dow Jones Indices without regard to us or the notes. S&P Dow Jones Indices have no obligation to take our needs or the needs of holders of the notes into consideration in determining, composing or calculating the Index. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of the notes or the timing of the issuance or sale of the notes or in the determination or calculation of the equation by which the notes are to be converted into cash. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of the notes. There is no assurance that investment products based on the Index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC and its subsidiaries are not investment advisors. Inclusion of a security or futures contract within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security or futures contract, nor is it considered to be investment advice. Notwithstanding the foregoing, CME Group Inc. and its affiliates may independently issue and/or sponsor financial products unrelated to the notes currently being issued by us, but which may be similar to and competitive with the notes. In addition, CME Group Inc. and its affiliates may trade financial products which are linked to the performance of the Index. It is possible that this trading activity will affect the value of the notes.

S&P DOW JONES INDICES DO NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY US, HOLDERS OF THE NOTES, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND US, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

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SPDR® EURO STOXX 50® ETF

The FEZ is an investment portfolio maintained and managed by SSFM. SSFM is the investment advisor to separate investment portfolios, including the FEZ, all of which are offered by the SPDR® Series Trust, a registered investment company. The SPDR® EURO STOXX 50® ETF trades on the NYSE Arca under the ticker symbol “FEZ.”

Information provided to or filed with the SEC by the SPDR® Series Trust under the Securities Exchange Act of 1934 can be located by reference to its Central Index Key, or CIK, 1064642 through the SEC’s website at <http://www.sec.gov>. Additional information about SSFM and the FEZ may be obtained from other sources including, but not limited to, press releases, newspaper articles and other publicly disseminated documents. We make no representation or warranty as to the accuracy or completeness of such information.

Each Underlying Asset seeks to provide investment results that, before fees and expenses, correspond generally to the total return performance of the EURO STOXX 50® Index (the “SX5E” or the “Underlying Index”). The FEZ utilizes a “replication” investment approach in attempting to track the performance of the Underlying Index. The FEZ typically invests in substantially all of the securities which comprise the Underlying Index in approximately the same proportions as the Underlying Index. The FEZ will normally invest at least 80% of its total assets in common stocks that comprise the Underlying Index.

The EURO STOXX 50® Index

All disclosures contained in this pricing supplement regarding the EURO STOXX 50® Index, including, without limitation, its make up, method of calculation, and changes in its components, have been derived from publicly available sources. The information reflects the policies of, and is subject to change by, STOXX. STOXX, which owns the copyright and all other rights to the SX5E, has no obligation to continue to publish, and may discontinue publication of, the SX5E.

The SX5E was created by STOXX, a joint venture between Deutsche Börse AG and SIX Group AG. Publication of the SX5E began in February 1998, based on an initial index level of 1,000 at December 31, 1991. On March 1, 2010, STOXX announced the removal of the “Dow Jones” prefix from all of its indices, including the SX5E. Additional information about the SX5E is available on the STOXX Limited website: <http://www.stoxx.com>. However, information included in that website is not included or incorporated by reference in this pricing supplement.

General

For each of the 19 EURO STOXX regional supersector indices, the stocks are ranked in terms of free-float market capitalization. The largest stocks are added to the selection list until the coverage is close to, but still less than, 60% of the free-float market capitalization of the corresponding supersector index. If the next highest-ranked stock brings the coverage closer to 60% in absolute terms, then it is also added to the selection list. All current stocks in the index are then added to the selection list. All of the stocks on the selection list are then ranked in terms of free-float market capitalization to produce the final index selection list. The largest 40 stocks on the selection list are selected; the remaining 10 stocks are selected from the largest remaining current stocks ranked between 41 and 60; if the number of stocks selected is still below 50, then the largest remaining stocks are selected until there are 50 stocks. In exceptional cases, STOXX’s management board can add stocks to and remove them from the selection list.

The index stocks are subject to a capped maximum index weight of 10%, which is applied on a quarterly basis.

The SX5E is composed of 50 component stocks of market sector leaders from within the 19 EURO STOXX® Supersector indices, which represent the Eurozone portion of the STOXX Europe 600® Supersector indices. The index stocks have a high degree of liquidity and represent the largest companies across a wide range of market sectors.

Index Composition and Maintenance

The composition of the SX5E is reviewed annually, based on the closing stock data on the last trading day in August. Changes in the composition of the SX5E are made to ensure that it includes the 50 market sector leaders from within the EURO STOXX Index.

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The free float factors for each component stock used to calculate the SX5E, as described below, are reviewed, calculated, and implemented on a quarterly basis and are fixed until the next quarterly review.

The SX5E is subject to a “fast exit rule.” The index stocks are monitored for any changes based on the monthly selection list ranking. A stock is deleted from the SX5E if: (a) it ranks 75 or below on the monthly selection list and (b) it has been ranked 75 or below for a consecutive period of two months in the monthly selection list. The highest-ranked stock that is not already an index stock will replace it. Changes will be implemented on the close of the fifth trading day of the month, and are effective the next trading day.

The SX5E is also subject to a “fast entry rule.” All stocks on the latest selection lists and initial public offering (IPO) stocks are reviewed for a fast-track addition on a quarterly basis. A stock is added, if (a) it qualifies for the latest STOXX blue-chip selection list generated end of February, May, August or November and (b) it ranks within the “lower buffer” on this selection list.

The SX5E is also reviewed on an ongoing basis. Corporate actions (including initial public offerings, mergers and takeovers, spin-offs, delistings, and bankruptcy) that affect the SX5E composition are immediately reviewed. Any changes are announced, implemented, and effective in line with the type of corporate action and the magnitude of the effect.

Index Calculation

The SX5E is calculated with the “Laspeyres formula,” which measures the aggregate price changes in the index stocks against a fixed base quantity weight. The formula for calculating the SX5E value can be expressed as follows:

$$\text{Index} = \frac{\text{free float market capitalization of the index at the time}}{\text{divisor of the index at the time}}$$

The “free float market capitalization of the index” is equal to the sum of the products of the closing price, number of shares, free float factor and the weighting cap factor for each component company as of the time that the SX5E is being calculated.

The divisor of the SX5E is adjusted to maintain the continuity of the SX5E’s values across changes due to corporate actions, such as the deletion and addition of stocks, the substitution of stocks, stock dividends, and stock splits.

Historical Performances of the Underlying Assets

The following tables set forth the quarter-end high and low closing levels for each Underlying Asset from the first quarter of 2008 through the Pricing Date.

The historical levels of the Underlying Assets are provided for informational purposes only. You should not take the historical levels of the applicable Underlying Asset as an indication of its future performance, which may be better or worse than the levels set forth below.

Closing Levels of the S&P 500[®] Index

	High	Low
2008 First Quarter	1,447.16	1,273.37
Second Quarter	1,426.33	1,278.38
Third Quarter	1,305.32	1,106.39
Fourth Quarter	1,161.06	752.44
2009 First Quarter	934.70	676.53
Second Quarter	946.21	811.08
Third Quarter	1,071.66	879.13
Fourth Quarter	1,127.78	1,025.21
2010 First Quarter	1,174.17	1,056.74
Second Quarter	1,217.28	1,030.71
Third Quarter	1,148.67	1,022.58
Fourth Quarter	1,259.78	1,137.03
2011 First Quarter	1,343.01	1,256.88
Second Quarter	1,363.61	1,265.42
Third Quarter	1,353.22	1,119.46
Fourth Quarter	1,285.09	1,099.23
2012 First Quarter	1,416.51	1,277.06
Second Quarter	1,419.04	1,278.04
Third Quarter	1,465.77	1,334.76
Fourth Quarter	1,461.40	1,353.33
2013 First Quarter	1,569.19	1,457.15
Second Quarter	1,669.16	1,541.61
Third Quarter	1,725.52	1,614.08
Fourth Quarter	1,848.36	1,655.45
2014 First Quarter	1,878.04	1,741.89
Second Quarter	1,962.87	1,815.69
Third Quarter	2,011.36	1,909.57
Fourth Quarter	2,090.57	1,862.49
2015 First Quarter	2,117.39	1,992.67
Second Quarter	2,130.82	2,057.64
Third Quarter	2,128.28	1,867.61

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Fourth Quarter	2,109.79	1,923.82
2016 First Quarter	2,063.95	1,829.08
Second Quarter	2,119.12	2,000.54
Third Quarter	2,190.15	2,088.55
Fourth Quarter	2,271.72	2,085.18
2017 First Quarter	2,395.96	2,257.83
Second Quarter	2,453.46	2,328.95
Third Quarter	2,519.36	2,409.75
Fourth Quarter	2,690.16	2,529.12
2018 First Quarter (through the Pricing Date)	2,872.87	2,581.00

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Closing Levels of the SPDR® EURO STOXX 50® ETF

	High	Low
2008 First Quarter	62.76	52.71
Second Quarter	60.36	51.31
Third Quarter	52.22	41.13
Fourth Quarter	42.55	26.35
2009 First Quarter	34.93	22.28
Second Quarter	36.63	27.68
Third Quarter	42.18	31.35
Fourth Quarter	43.55	39.58
2010 First Quarter	43.10	35.37
Second Quarter	40.55	30.01
Third Quarter	37.16	30.87
Fourth Quarter	40.47	34.04
2011 First Quarter	41.34	35.28
Second Quarter	44.03	37.61
Third Quarter	41.18	26.49
Fourth Quarter	34.92	27.24
2012 First Quarter	33.92	28.59
Second Quarter	32.76	25.83
Third Quarter	33.41	25.47
Fourth Quarter	34.79	30.54
2013 First Quarter	36.40	32.78
Second Quarter	36.58	32.44
Third Quarter	39.13	32.80
Fourth Quarter	42.20	38.48
2014 First Quarter	42.66	38.94
Second Quarter	45.11	42.16
Third Quarter	43.81	39.26
Fourth Quarter	39.70	35.94
2015 First Quarter	39.67	34.86
Second Quarter	40.71	37.43
Third Quarter	39.59	33.18
Fourth Quarter	37.05	33.74
2016 First Quarter	33.70	29.92
Second Quarter	34.75	29.18
Third Quarter	33.81	29.88
Fourth Quarter	33.46	31.08
2017 First Quarter	36.54	33.53
Second Quarter	40.18	35.55

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Third Quarter	41.25	38.39
Fourth Quarter	41.89	40.65

2018 First Quarter (through the Pricing Date) 44.21 39.21

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Validity of the Notes

In the opinion of Osler, Hoskin & Harcourt LLP, the issue and sale of the notes has been duly authorized by all necessary corporate action of the Bank in conformity with the Senior Indenture, and when this pricing supplement has been attached to, and duly notated on, the master note that represents the notes, the notes will have been validly executed and issued and, to the extent validity of the notes is a matter governed by the laws of the Province of Ontario, or the laws of Canada applicable therein, and will be valid obligations of the Bank, subject to the following limitations (i) the enforceability of the Senior Indenture may be limited by the Canada Deposit Insurance Corporation Act (Canada), the Winding-up and Restructuring Act (Canada) and bankruptcy, insolvency, reorganization, receivership, moratorium, arrangement or winding-up laws or other similar laws affecting the enforcement of creditors' rights generally; (ii) the enforceability of the Senior Indenture may be limited by equitable principles, including the principle that equitable remedies such as specific performance and injunction may only be granted in the discretion of a court of competent jurisdiction; (iii) pursuant to the Currency Act (Canada) a judgment by a Canadian court must be awarded in Canadian currency and that such judgment may be based on a rate of exchange in existence on a day other than the day of payment; and (iv) the enforceability of the Senior Indenture will be subject to the limitations contained in the Limitations Act, 2002 (Ontario), and such counsel expresses no opinion as to whether a court may find any provision of the Senior Debt Indenture to be unenforceable as an attempt to vary or exclude a limitation period under that Act. This opinion is given as of the date hereof and is limited to the laws of the Provinces of Ontario and the federal laws of Canada applicable thereto. In addition, this opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Indenture and the genuineness of signatures and certain factual matters, all as stated in the letter of such counsel dated April 27, 2017, which has been filed as Exhibit 5.3 to Bank of Montreal's Form 6-K filed with the SEC and dated April 27, 2017.

In the opinion of Morrison & Foerster LLP, when the pricing supplement has been attached to, and duly notated on, the master note that represents the notes, and the notes have been issued and sold as contemplated by the prospectus supplement and the prospectus, the notes will be valid, binding and enforceable obligations of Bank of Montreal, entitled to the benefits of the Senior Indenture, 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). This opinion is given as of the date hereof and is limited to the laws of the State of New York. This opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Senior Indenture and the genuineness of signatures and to such counsel's reliance on the Bank and other sources as to certain factual matters, all as stated in the legal opinion dated April 27, 2017, which has been filed as Exhibit 5.4 to the Bank's Form 6-K dated April 27, 2017.