

EBERSMAN DAVID A  
Form 4  
January 20, 2009

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
EBERSMAN DAVID A

(Last) (First) (Middle)

1 DNA WAY

(Street)

SO SAN FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
GENENTECH INC [DNA]

3. Date of Earliest Transaction (Month/Day/Year)  
01/15/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
EVP & CHIEF FINANCIAL OFFICER

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (D) Price			
Common Stock	01/15/2009		G	122 <sup>(1)</sup> D \$ 0	3,533	D	
Common Stock	01/15/2009		G	122 <sup>(1)</sup> A \$ 0	4,977	I	by Trust

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1474 (9-02)



**Investors will not participate in any appreciation in the price of either of the underlying shares.** Investors will not participate in any appreciation in the price of the underlying shares from their initial share prices, and the return on the securities will be limited to the contingent monthly coupon that is paid with respect to each observation date on which each determination closing price is greater than or equal to its respective coupon barrier level, if any.

**The market price will be influenced by many unpredictable factors.** Several factors, many of which are beyond our control, will influence the value of the securities in the secondary market and the price at which MS & Co. may be willing to purchase or sell the securities in the secondary market. We expect that generally the level of interest rates available in the market and the prices of the underlying shares on any day, including in relation to the respective coupon barrier levels, will affect the value of the securities more than any other factors. Other factors that may influence the value of the securities include:

- o the trading price and volatility (frequency and magnitude of changes in value) of the underlying shares and the stocks constituting their respective share underlying indices,

- o whether the determination closing price of either of the underlying shares has been below its respective coupon barrier level on any observation date,

- o dividend rates on the stocks constituting the share underlying indices,

- o geopolitical conditions and economic, financial, political, regulatory or judicial events that affect the underlying shares or equity markets generally and which may affect the prices of the underlying shares,

- o the time remaining until the securities mature,

- o interest and yield rates in the market,

- o the availability of comparable instruments,

- o the occurrence of certain events affecting the underlying shares that may or may not require an adjustment to the adjustment factor,

- o the composition of the underlyings and changes in the constituents of the underlying shares, and

- o any actual or anticipated changes in our credit ratings or credit spreads.

Some or all of these factors will influence the price that you will receive if you sell your securities prior to maturity. For example, you may have to sell your securities at a substantial discount from the stated principal amount of \$1,000 per security if the price of either of the underlying shares at the time of sale is near or below its coupon barrier level or

if market interest rates rise.

The price of any or both of the underlying shares may be, and have recently been, volatile, and we can give you no assurance that the volatility will lessen. The prices of one or both of the underlying shares may decrease and be below the respective coupon barrier level(s) on each observation date so that you will receive no return on your investment, and one or both of the underlying shares may decline by an amount greater than the buffer amount as of the final observation date so that you lose some or a significant portion of your initial investment in the securities. There can be no assurance that the closing price of each of the underlying shares will be at or above their respective coupon barrier level on any observation date so that you will receive a coupon payment on the securities for the applicable interest period, or that neither of the

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Morgan Stanley Finance LLC

Contingent Income Buffered Auto-Callable Securities due February 2, 2021, With 6-month Initial Non-Call Period

**All Payments on the Securities Based on the Worst Performing of the SPDR® S&P® Oil & Gas Exploration & Production ETF and the Market Vectors Gold Miners ETF**

**Principal at Risk Securities**

underlying shares will decline by an amount greater than the buffer amount of 25% as of the final observation date so that you do not suffer a loss on your initial investment in the securities. See “SPDR S&P® Oil & Gas Exploration & Production ETF Overview” and “Market Vectors Gold Miners ETF Overview” below.

**The securities 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 securities.** You are dependent on our ability to pay all amounts due on the securities on each coupon payment date, upon automatic redemption and at maturity and therefore you are subject to our credit risk. The securities are not guaranteed by any other entity. If we default on our obligations under the securities, your investment would be at risk and you could lose some or all of your investment. As a result, the market value of the securities prior to maturity will be affected by changes in the market’s view of our creditworthiness. Any actual or anticipated decline in our credit ratings or increase in the credit spreads charged by the market for taking our credit risk is likely to adversely affect the market value of the securities.

**As a finance subsidiary, MSFL has no independent operations and will have no independent assets.** As a finance subsidiary, MSFL has no independent operations beyond the issuance and administration of its securities and will have no independent assets available for distributions to holders of MSFL securities if they make claims in respect of such securities in a bankruptcy, resolution or similar proceeding. Accordingly, any recoveries by such holders will be limited to those available under the related guarantee by Morgan Stanley and that guarantee will rank *pari passu* with all other unsecured, unsubordinated obligations of Morgan Stanley. Holders will have recourse only to a single claim against Morgan Stanley and its assets under the guarantee. Holders of securities issued by MSFL should accordingly assume that in any such proceedings they would not have any priority over and should be treated *pari passu* with the claims of other unsecured, unsubordinated creditors of Morgan Stanley, including holders of Morgan Stanley-issued securities.

**§ Reinvestment risk.** The term of your investment in the securities may be shortened due to the automatic early redemption feature of the securities. If the securities are redeemed prior to maturity, you will receive no more contingent monthly coupons and may be forced to invest in a lower interest rate environment and may not be able to reinvest at comparable terms or returns. However, under no circumstances will the securities be redeemed in the six

months of the term of the securities.

**The antidilution adjustments the calculation agent is required to make do not cover every event that could affect the underlying shares.** MS & Co., as calculation agent, will adjust the adjustment factors for certain events § affecting the underlying shares. However, the calculation agent will not make an adjustment for every event that can affect the underlying shares. If an event occurs that does not require the calculation agent to adjust an adjustment factor, the market price of the securities may be materially and adversely affected.

**The securities will not be listed on any securities exchange and secondary trading may be limited, and accordingly, you should be willing to hold your securities for the entire 2-year term of the securities.** The securities will not be listed on any securities exchange. Therefore, there may be little or no secondary market for the securities. MS & Co. may, but is not obligated to, make a market in the securities and, if it once chooses to make a market, may cease doing so at any time. When it does make a market, it will generally do so for transactions of routine secondary market size at prices based on its estimate of the current value of the securities, taking into account § its bid/offer spread, our credit spreads, market volatility, the notional size of the proposed sale, the cost of unwinding any related hedging positions, the time remaining to maturity and the likelihood that it will be able to resell the securities. Even if there is a secondary market, it may not provide enough liquidity to allow you to trade or sell the securities easily. Since other broker-dealers may not participate significantly in the secondary market for the securities, the price at which you may be able to trade your securities is likely to depend on the price, if any, at which MS & Co. is willing to transact. If, at any time, MS & Co. were to cease making a market in the securities, it is likely that there would be no secondary market for the securities. Accordingly, you should be willing to hold your securities to maturity.

**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 securities in the original issue price reduce the economic terms of the securities, cause the estimated value of the securities to be less than the § original issue price and will adversely affect secondary market prices.** Assuming no change in market conditions or any other relevant factors, the prices, if any, at which dealers, including MS & Co., may be willing to purchase the securities in secondary market transactions will likely be significantly lower than the original issue price, because secondary market prices will exclude the issuing, selling, structuring and hedging-related costs that are included in the original issue price and

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borne by you and because the secondary market prices will reflect our secondary market credit spreads and the bid-offer spread that any dealer would charge in a secondary market transaction of this type as well as other factors.

The inclusion of the costs of issuing, selling, structuring and hedging the securities in the original issue price and the lower rate we are willing to pay as issuer make the economic terms of the securities less favorable to you than they otherwise would be.

However, because the costs associated with issuing, selling, structuring and hedging the securities are not fully deducted upon issuance, for a period of up to 6 months following the issue date, to the extent that MS & Co. may buy or sell the securities in the secondary market, absent changes in market conditions, including those related to the underlying shares, and to our secondary market credit spreads, it would do so based on values higher than the estimated value, and we expect that those higher values will also be reflected in your brokerage account statements.

**The estimated value of the securities 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.** These pricing and valuation models are proprietary and rely in part on subjective views of certain market inputs and certain assumptions about future events, which may prove to be incorrect. As a result, because there is no market-standard way to value these types of securities, our models may yield a higher estimated value of the securities than those § generated by others, including other dealers in the market, if they attempted to value the securities. In addition, the estimated value on the pricing date does not represent a minimum or maximum price at which dealers, including MS & Co., would be willing to purchase your securities in the secondary market (if any exists) at any time. The value of your securities at any time after the date of this document will vary based on many factors that cannot be predicted with accuracy, including our creditworthiness and changes in market conditions. See also “The market price will be influenced by many unpredictable factors” above.

**Adjustments to the underlying shares or the indices tracked by the underlying shares could adversely affect the value of the securities.** The investment advisor to each of the underlying shares (SSGA Funds Management Inc. for the XOP Shares and Van Eck Associates Corporation for the GDX Shares) seeks investment results that correspond generally to the price and yield performance, before fees and expenses, of the relevant share underlying index. Pursuant to its investment strategy or otherwise, the investment advisor may add, delete or substitute the stocks composing the respective underlying shares. Any of these actions could adversely affect the price of the respective underlying shares and, consequently, the value of the securities. The publishers of the share underlying § indices are responsible for calculating and maintaining the share underlying indices. They may add, delete or substitute the securities constituting the share underlying indices or make other methodological changes that could change the value of the share underlying indices, and, consequently, the price of the underlying shares and the value of the securities. The publishers of the share underlying indices may discontinue or suspend calculation or publication of a share underlying index at any time. In these circumstances, the calculation agent will have the sole discretion to substitute a successor index that is comparable to the discontinued share underlying index and will be permitted to consider indices that are calculated and published by the calculation agent or any of its affiliates.

**The performance and market price of either of the underlying shares, particularly during periods of market volatility, may not correlate with the performance of its respective share underlying index, the performance of the component securities of such share underlying index or the net asset value per share of such underlying shares.** The underlying shares do not fully replicate their respective share underlying indices, and each may hold securities that are different than those included in its respective share underlying index. In addition, the performance of each of the underlying shares will reflect additional transaction costs and fees that are not included in the § calculation of the share underlying indices. All of these factors may lead to a lack of correlation between the performance of each of the underlying shares and its respective share underlying index. In addition, corporate actions (such as mergers and spin-offs) with respect to the equity securities underlying each of the underlying shares may impact the variance between the performance of each of the underlying shares and its respective share underlying index. Finally, because the shares of each of the underlying shares are traded on an exchange and are subject to market supply and investor demand, the market price of one share of each of the underlying shares may differ from the net asset value per share of such underlying shares.

In particular, during periods of market volatility, or unusual trading activity, trading in the securities underlying each of the underlying shares may be disrupted or limited, or such securities may be unavailable in the secondary market. Under these circumstances, the liquidity of each underlying shares may be adversely affected, market participants may be unable to calculate accurately the net asset value per share of each of the underlying shares, and their ability to create and



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**Principal at Risk Securities**

redeem shares of each of the underlying shares may be disrupted. Under these circumstances, the market price of shares of each of the underlying shares may vary substantially from the net asset value per share of each underlying share or the level of its respective share underlying index.

For all of the foregoing reasons, the performance of each of the underlying shares may not correlate with the performance of its respective share underlying index, the performance of the component securities of such share underlying index or the net asset value per share of such underlying shares. Any of these events could materially and adversely affect the prices of each of the underlying shares and, therefore, the value of the securities. Additionally, if market volatility or these events were to occur on the final observation date, the calculation agent would maintain discretion to determine whether such market volatility or events have caused a market disruption event to occur, and such determination would affect the payment at maturity of the securities. If the calculation agent determines that no market disruption event has taken place, the payment at maturity would be based solely on the published closing price per share of each of the underlying shares on the final observation date, even if either of the underlying shares is underperforming its respective share underlying index or the component securities of such share underlying index and/or trading below the net asset value per share of such underlying shares.

**Not equivalent to investing in the underlying shares or the stocks composing the share underlying indices.**

Investing in the securities is not equivalent to investing in the underlying shares, the share underlying indices or the § stocks that constitute the share underlying indices. Investors in the securities will not have voting rights or rights to receive dividends or other distributions or any other rights with respect to the underlying shares or the stocks that constitute the share underlying indices.

§ **Hedging and trading activity by our affiliates could potentially affect the value of the securities.** One or more of our affiliates and/or third-party dealers have carried out, and will continue to carry out, hedging activities related to the securities (and to other instruments linked to the underlying shares and the share underlying indices), including trading in the underlying shares. As a result, these entities may be unwinding or adjusting hedge positions during the term of the securities, and the hedging strategy may involve greater and more frequent dynamic adjustments to the

hedge as the final observation date approaches. Some of our affiliates also trade the underlying shares and other financial instruments related to the underlying shares and the share underlying indices on a regular basis as part of their general broker-dealer and other businesses. Any of these hedging or trading activities on or prior to the pricing date could have increased the initial share price of either of the underlying shares and, therefore, could have increased (i) the value at or above which such underlying shares must close on the redemption determination dates so that the securities are redeemed prior to maturity for the early redemption payment (depending also on the performance of the other underlying shares), (ii) the coupon barrier level for such underlying shares, which is the value at or above which the underlying shares must close on the observation dates so that you receive a contingent monthly coupon on the securities (depending also on the performance of the other underlying shares), and (iii) the value at or above which such underlying shares must close on the final observation date so that you are not exposed to the negative performance of the worst performing underlying shares at maturity (depending also on the performance of the other underlying shares). Additionally, such hedging or trading activities during the term of the securities could potentially affect the value of either of the underlying shares on the redemption determination dates and the observation dates and, accordingly, whether we redeem the securities prior to maturity, whether we pay a contingent monthly coupon on the securities and the amount of cash you will receive at maturity.

**The calculation agent, which is a subsidiary of Morgan Stanley and an affiliate of MSFL, will make determinations with respect to the securities.** As calculation agent, MS & Co. has determined the initial share prices and the coupon barrier levels and will determine the final share prices, the payment at maturity and whether you receive a contingent monthly coupon on each coupon payment date and/or at maturity, whether the securities will be redeemed on any early redemption date, whether a market disruption event has occurred and whether to make any adjustments to the adjustment factors. Moreover, certain determinations made by MS & Co., in its capacity as § calculation agent, may require it to exercise discretion and make subjective judgments, such as with respect to the occurrence or non-occurrence of market disruption events or calculation of the determination closing price in the event of a market disruption event. These potentially subjective determinations may affect the payout to you upon an automatic early redemption or at maturity. For further information regarding these types of determinations, see “Description of Auto-Callable Securities—Auto-Callable Securities Linked to Underlying Shares” and “—Calculation Agent and Calculations” in the accompanying product supplement. In addition, MS & Co. has determined the estimated value of the securities on the pricing date.

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**The U.S. federal income tax consequences of an investment in the securities are uncertain.** There is no direct § legal authority as to the proper treatment of the securities for U.S. federal income tax purposes, and, therefore, significant aspects of the tax treatment of the securities are uncertain.

Please read the discussion under “Additional Information—Tax considerations” in this document concerning the U.S. federal income tax consequences of an investment in the securities. We intend to treat a security for U.S. federal income tax purposes as a single financial contract that provides for a coupon that will be treated as gross income to you at the time received or accrued, in accordance with your regular method of tax accounting. Under this treatment, the ordinary income treatment of the coupon payments, in conjunction with the capital loss treatment of any loss recognized upon the sale, exchange or settlement of the securities, could result in adverse tax consequences to holders of the securities because the deductibility of capital losses is subject to limitations. We do not plan to request a ruling from the Internal Revenue Service (the “IRS”) regarding the tax treatment of the securities, and the IRS or a court may not agree with the tax treatment described herein. If the IRS were successful in asserting an alternative treatment for the securities, the timing and character of income or loss on the securities might differ significantly from the tax treatment described herein. For example, under one possible treatment, the IRS could seek to recharacterize the securities as debt instruments. In that event, U.S. Holders (as defined below) would be required to accrue into income original issue discount on the securities every year at a “comparable yield” determined at the time of issuance (as adjusted based on the difference, if any, between the actual and the projected amount of any contingent payments on the securities) and recognize all income and gain in respect of the securities as ordinary income. The risk that financial instruments providing for buffers, triggers or similar downside protection features, such as the securities, would be recharacterized as debt is greater than the risk of recharacterization for comparable financial instruments that do not have such features.

**Non-U.S. Holders (as defined below) should note that we currently intend to withhold on any coupon paid to Non-U.S. Holders generally at a rate of 30%, or at a reduced rate specified by an applicable income tax treaty under an “other income” or similar provision, and will not be required to pay any additional amounts with respect to amounts withheld.**

In 2007, the U.S. Treasury Department and the IRS released a notice requesting comments on the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. While it is not clear whether the securities would be viewed as similar to the prepaid forward contracts described in the notice, it is possible that any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, possibly with retroactive effect. The notice focuses on a number of issues, the most relevant of which for holders of the securities are the character and timing of income or loss and the degree, if any, to which income realized by non-U.S. investors should be subject to withholding tax. Both U.S. and Non-U.S. Holders should consult their tax advisers regarding the U.S. federal income tax consequences of an investment in the securities, including possible alternative treatments, the issues presented by this notice and any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

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SPDR® S&P® Oil & Gas Exploration & Production ETF Overview

The SPDR® S&P® Oil & Gas Exploration & Production ETF is an exchange-traded fund that seeks to provide investment results that, before fees and expenses, correspond generally to the total return performance of publicly traded equity securities of companies included in the S&P® Oil & Gas Exploration & Production Select Industry Index®. The SPDR® S&P® Oil & Gas Exploration & Production ETF is managed by SPDR® Series Trust (the “Trust”), a registered investment company that consists of numerous separate investment portfolios, including the SPDR® S&P® Oil & Gas Exploration & Production ETF. Information provided to or filed with the Securities and Exchange Commission by the Trust pursuant to the Securities Act of 1933 and the Investment Company Act of 1940 can be located by reference to Commission file numbers 333-57793 and 811-08839, respectively, through the Commission’s website at [www.sec.gov](http://www.sec.gov). In addition, information may be obtained from other publicly available sources. **Neither the issuer nor the agent makes any representation that any such publicly available information regarding the SPDR® S&P® Oil & Gas Exploration & Production ETF is accurate or complete.**

Information as of market close on January 28, 2019:

Ticker Symbol:	XOP UP
Current Stock Price:	\$30.00
52 Weeks Ago:	\$39.06
52 Week High (on 10/3/2018):	\$44.57
52 Week Low (on 12/24/2018):	\$24.12

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The following graph sets forth the daily closing values of the XOP Shares for the period from January 1, 2014 through January 28, 2019. The related table sets forth the published high and low closing prices, as well as the end-of-quarter closing prices, of the XOP Shares for each quarter in the same period. The closing price of the XOP Shares on January 28, 2019 was \$30.00. We obtained the information in the table and graph below from Bloomberg Financial Markets, without independent verification. The historical performance of the XOP Shares should not be taken as an indication of its future performance, and no assurance can be given as to the price of the XOP Shares at any time, including on the redemption determination dates or the observation dates.

Shares of the SPDR<sup>®</sup> S&P<sup>®</sup> Oil & Gas Exploration & Production ETF – Daily Closing Prices  
January 1, 2014 to January 28, 2019

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<b>SPDR® S&amp;P® Oil &amp; Gas Exploration &amp; Production ETF (CUSIP: 78464A730)</b>	High (\$)	Low (\$)	Period End (\$)
<b>2014</b>			
First Quarter	71.83	64.04	71.83
Second Quarter	83.45	71.19	82.28
Third Quarter	82.08	68.83	68.83
Fourth Quarter	66.84	42.75	47.86
<b>2015</b>			
First Quarter	53.94	42.55	51.66
Second Quarter	55.63	46.43	46.66
Third Quarter	45.22	31.71	32.84
Fourth Quarter	40.53	28.64	30.22
<b>2016</b>			
First Quarter	30.96	23.60	30.35
Second Quarter	37.50	29.23	34.81
Third Quarter	39.12	32.75	38.46
Fourth Quarter	43.42	34.73	41.42
<b>2017</b>			
First Quarter	42.21	35.17	37.44
Second Quarter	37.89	30.17	31.92
Third Quarter	34.37	29.09	34.09
Fourth Quarter	37.64	32.25	37.18
<b>2018</b>			
First Quarter	39.85	32.38	35.22
Second Quarter	44.22	34.03	43.06
Third Quarter	44.52	39.10	43.29
Fourth Quarter	44.57	24.12	26.53
<b>2019</b>			
First Quarter (through January 28, 2019)	31.61	27.10	30.00

Explanation of Responses:

**This document relates only to the securities referenced hereby and does not relate to the XOP Shares. We have derived all disclosures contained in this document regarding the Trust from the publicly available documents described above. In connection with the offering of the securities, neither we nor the agent has participated in the preparation of such documents or made any due diligence inquiry with respect to the Trust. Neither we nor the agent makes any representation that such publicly available documents or any other publicly available information regarding the Trust is accurate or complete. Furthermore, we cannot give any assurance that all events occurring prior to the date hereof (including events that would affect the accuracy or completeness of the publicly available documents described above) that would affect the trading price of the XOP Shares (and therefore the price of the XOP Shares at the time we priced the securities) have been publicly disclosed. Subsequent disclosure of any such events or the disclosure of or failure to disclose material future events concerning the Trust could affect the value received with respect to the securities and therefore the value of the securities.**

**Neither we nor any of our affiliates makes any representation to you as to the performance of the XOP Shares.**

We and/or our affiliates may presently or from time to time engage in business with the Trust. In the course of such business, we and/or our affiliates may acquire non-public information with respect to the Trust, and neither we nor any of our affiliates undertakes to disclose any such information to you. In addition, one or more of our affiliates may publish research reports with respect to the XOP Shares. The statements in the preceding two sentences are not intended to affect the rights of investors in the securities under the securities laws. As a purchaser of the securities, you should undertake an independent investigation of the Trust as in your judgment is appropriate to make an informed decision with respect to an investment linked to the XOP Shares.

**“S&P”, “SPDR” and “S&POil & Gas Exploration & Production Select Industry Index®” are trademarks of Standard & Poor’s Financial Services LLC (“S&P”), an affiliate of The McGraw-Hill Companies, Inc. (“MGH”). The securities are not sponsored, endorsed, sold, or promoted by S&P, MGH or the Trust. S&P, MGH and the Trust make no representations or warranties to the owners of the securities or any member of the public regarding the advisability of investing in the Securities. S&P, MGH and the the Trust have no obligation or liability in connection with the operation, marketing, trading or sale of the securities.**

**The S&P® Oil & Gas Exploration & Production Select Industry Index®.** The S&P® Oil & Gas Exploration & Production Select Industry Index® is an equal-weighted index designed to measure the performance of the oil and gas exploration and production sub-industry portion of the S&P® Total Market Index, a benchmark that measures the performance of the U.S. equity market.



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**Principal at Risk Securities**

Market Vectors Gold Miners ETF Overview

The Market Vectors Gold Miners ETF is an exchange-traded fund managed by Van Eck Associates Corporation (“Van Eck”), a registered investment company, that seeks investment results that correspond generally to the price and yield performance, before fees and expenses, of the NYSE Arca Gold Miners Index. Information provided to or filed with the Securities and Exchange Commission (“the Commission”) by Van Eck pursuant to the Securities Act of 1933 and the Investment Company Act of 1940 can be located by reference to Commission file numbers 333-123257 and 811-10325, respectively, through the Commission’s website at [www.sec.gov](http://www.sec.gov). In addition, information may be obtained from other publicly available sources. **Neither the issuer nor the agent makes any representation that any such publicly available information regarding the VanEck Vectors Oil Services™ ETF is accurate or complete.**

Information as of market close on January 28, 2019:

Ticker Symbol:	GDX UP
Current Share Price:	\$21.45
52 Weeks Ago:	\$24.35
52 Week High (on 1/26/2018):	\$24.35
52 Week Low (on 9/11/2018):	\$17.57

The following graph sets forth the daily closing values of the GDX Shares for the period from January 1, 2014 through January 28, 2019. The related table sets forth the published high and low closing prices, as well as the end-of-quarter closing prices, of the GDX Shares for each quarter in the same period. The closing price of the GDX

Explanation of Responses:

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Shares on January 28, 2019 was \$21.45. We obtained the information in the table and graph below from Bloomberg Financial Markets, without independent verification. The historical performance of the GDX Shares should not be taken as an indication of its future performance, and no assurance can be given as to the price of the GDX Shares at any time, including on the redemption determination dates or the observation dates.

Shares of the Market Vectors Gold Miners ETF — Daily Closing Prices

January 1, 2014 to January 28, 2019

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Market Vectors Gold Miners ETF (CUSIP 5706U100)	High (\$)	Low (\$)	Period End (\$)
<b>2014</b>			
First Quarter	27.73	21.27	23.60
Second Quarter	26.45	22.04	26.45
Third Quarter	27.46	21.35	21.35
Fourth Quarter	21.94	16.59	18.38
<b>2015</b>			
First Quarter	22.94	17.67	18.24
Second Quarter	20.82	17.76	17.76
Third Quarter	17.85	13.04	13.74
Fourth Quarter	16.90	13.08	13.72
<b>2016</b>			
First Quarter	20.86	12.47	19.98
Second Quarter	27.70	19.53	27.70
Third Quarter	31.32	25.45	26.43
Fourth Quarter	25.96	18.99	20.92
<b>2017</b>			
First Quarter	25.57	21.14	22.81
Second Quarter	24.57	21.10	22.08
Third Quarter	25.49	21.21	22.96
Fourth Quarter	23.84	21.42	23.24
<b>2018</b>			
First Quarter	24.60	21.27	21.98
Second Quarter	23.06	21.81	22.31
Third Quarter	22.68	17.57	18.52
Fourth Quarter	21.09	18.39	21.09
<b>2019</b>			
First Quarter (through January 28, 2019)	21.48	20.31	21.45

**This document relates only to the securities referenced hereby and does not relate to the GDX Shares. We have derived all disclosures contained in this document regarding Van Eck from the publicly available documents**

Explanation of Responses:

described above. In connection with the offering of the securities, neither we nor the agent has participated in the preparation of such documents or made any due diligence inquiry with respect to Van Eck. Neither we nor the agent makes any representation that such publicly available documents or any other publicly available information regarding Van Eck is accurate or complete. Furthermore, we cannot give any assurance that all events occurring prior to the date hereof (including events that would affect the accuracy or completeness of the publicly available documents described above) that would affect the trading price of the GDX Shares (and therefore the price of the GDX Shares at the time we priced the securities) have been publicly disclosed. Subsequent disclosure of any such events or the disclosure of or failure to disclose material future events concerning Van Eck could affect the value received with respect to the securities and therefore the value of the securities.

**Neither we nor any of our affiliates makes any representation to you as to the performance of the GDX Shares.**

We and/or our affiliates may presently or from time to time engage in business with Van Eck. In the course of such business, we and/or our affiliates may acquire non-public information with respect to Van Eck, and neither we nor any of our affiliates undertakes to disclose any such information to you. In addition, one or more of our affiliates may publish research reports with respect to the GDX Shares. The statements in the preceding two sentences are not intended to affect the rights of investors in the securities under the securities laws. As a purchaser of the securities, you should undertake an independent investigation of Van Eck as in your judgment is appropriate to make an informed decision with respect to an investment linked to the GDX Shares.

Market Vectors<sup>SM</sup> is a service mark of Van Eck Associates Corporation (“Van Eck”). The securities are not sponsored, endorsed, sold, or promoted by Van Eck. Van Eck makes no representations or warranties to the owners of the securities or any member of the public regarding the advisability of investing in the securities. Van Eck has no obligation or liability in connection with the operation, marketing, trading or sale of the securities.

**The NYSE Arca Gold Miners Index.** The NYSE Arca Gold Miners Index is a modified market capitalization weighted index comprised of publicly traded companies involved primarily in the mining of gold and silver. The NYSE Arca Gold Miners Index includes common stocks, American depositary receipts or global depositary receipts of selected companies involved in the mining for gold and silver ore and are listed for trading and electronically quoted on a major stock market that is accessible by foreign investors. For additional information about the NYSE Arca Gold Miners Index, please see the information set forth under “NYSE Arca Gold Miners Index” in the accompanying index supplement.

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**Principal at Risk Securities**

**Additional Terms of the Securities**

Please read this information in conjunction with the summary terms on the front cover of this document.

**Additional Terms:**

If the terms described herein are inconsistent with those described in the accompanying product supplement, index supplement or prospectus, the terms described herein shall control.

**Interest period:** The monthly period from and including the original issue date (in the case of the first interest period) or the previous scheduled coupon payment date, as applicable, to but excluding the following scheduled coupon payment date, with no adjustment for any postponement thereof. The record date for each coupon payment date shall be the date one business day prior to such scheduled coupon payment date; *provided*, however, that any coupon payable at maturity (or upon early redemption) shall be payable to the person to whom the payment at maturity or early redemption payment, as the case may be, shall be payable.

**Record date:** With respect to the XOP Shares, the S&P® Regional Banks Select Industry Index

**Share underlying indices:**

With respect to the GDX Shares, the NYSE Arca Gold Miners Index  
With respect to the XOP Shares, Standard & Poor's Financial Services LLC, or any successor thereof

**Share underlying index publishers:**

With respect to the GDX Shares, NYSE Arca, or any successor thereof

**Day count convention:**

Interest will be computed on the basis of a 360-day year of twelve 30-day months.

Explanation of Responses:

**Postponement of coupon payment dates (including the maturity date) and early redemption dates:** If any observation date or redemption determination date is postponed due to a non-trading day or certain market disruption events with respect to either of the underlying shares so that it falls less than two business days prior to the relevant scheduled coupon payment date (including the maturity date) or early redemption date, as applicable, the coupon payment date (or the maturity date) or the early redemption date will be postponed to the second business day following that observation date or redemption determination date as postponed, and no adjustment will be made to any coupon payment, early redemption payment or payment at maturity made on that postponed date.

**Trustee:** The Bank of New York Mellon

**Calculation agent:** MS & Co.

**Issuer notices to registered security holders, the trustee and the depository:** In the event that the maturity date is postponed due to postponement of the final observation date, the issuer shall give notice of such postponement and, once it has been determined, of the date to which the maturity date has been rescheduled (i) to each registered holder of the securities by mailing notice of such postponement by first class mail, postage prepaid, to such registered holder's last address as it shall appear upon the registry books, (ii) to the trustee by facsimile, confirmed by mailing such notice to the trustee by first class mail, postage prepaid, at its New York office and (iii) to The Depository Trust Company (the "depository") by telephone or facsimile confirmed by mailing such notice to the depository by first class mail, postage prepaid. Any notice that is mailed to a registered holder of the securities in the manner herein provided shall be conclusively presumed to have been duly given to such registered holder, whether or not such registered holder receives the notice. The issuer shall give such notice as promptly as possible, and in no case later than (i) with respect to notice of postponement of the maturity date, the business day immediately preceding the scheduled maturity date and (ii) with respect to notice of the date to which the maturity date has been rescheduled, the business day immediately following the final observation date as postponed.

In the event that the securities are subject to early redemption, the issuer shall, (i) on the business day following the applicable redemption determination date, give notice of the early redemption and the early redemption payment, including specifying the payment date of the amount due upon the early redemption, (x) to each registered holder of the securities by mailing notice of such early redemption by first class mail, postage prepaid, to such registered holder's last address as it shall appear upon the registry books, (y) to the trustee by facsimile confirmed by mailing such notice to the trustee by first class mail, postage prepaid, at its New York office and (z) to the depository by telephone or facsimile confirmed by mailing such notice to the depository by first class mail, postage prepaid, and (ii) on or prior to the early redemption date, deliver the aggregate cash amount due with respect to the securities to the trustee for delivery to the depository, as holder of the securities. Any notice that is mailed to a registered holder of the securities in the manner herein provided shall be conclusively presumed to have been duly given to such registered holder, whether or not such registered holder receives the notice. This notice shall be given by the issuer or, at the issuer's request, by the trustee in the name and at the expense of the issuer, with any such request to be accompanied by a copy of the notice to be given.

The issuer shall, or shall cause the calculation agent to, (i) provide written notice to the trustee, on which notice the trustee may conclusively rely, and to the depository of the amount of cash to be delivered as monthly coupon with respect to each security on or prior to 10:30 a.m. (New York City time) on the business day preceding each coupon payment date, and (ii) deliver the aggregate cash amount due with respect to the monthly coupon to the trustee for delivery to the

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depository, as holder of the securities, on the applicable coupon payment date.

The issuer shall, or shall cause the calculation agent to, (i) provide written notice to the trustee, on which notice the trustee may conclusively rely, and to the depository of the amount of cash to be delivered with respect to each stated principal amount of the securities, on or prior to 10:30 a.m. (New York City time) on the business day preceding the maturity date, and (ii) deliver the aggregate cash amount due with respect to the securities to the trustee for delivery to the depository, as holder of the securities, on the maturity date.

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Additional Information About the Securities

Additional  
Information:

Minimum  
ticketing size: \$1,000 / 1 security

**Tax considerations:** **Prospective investors should note that the discussion under the section called “United States Federal Taxation” in the accompanying product supplement does not apply to the securities issued under this document and is superseded by the following discussion.**

The following is a general discussion of the material U.S. federal income tax consequences and certain estate tax consequences of the ownership and disposition of the securities. This discussion applies only to investors in the securities who:

- purchase the securities in the original offering; and
- hold the securities as capital assets within the meaning of Section 1221 of the Internal Revenue Code of 1986, as amended (the “Code”).

This discussion does not describe all of the tax consequences that may be relevant to a holder in light of the holder’s particular circumstances or to holders subject to special rules, such as:

- certain financial institutions;
- insurance companies;
- certain dealers and traders in securities or commodities;
- investors holding the securities as part of a “straddle,” wash sale, conversion transaction, integrated transaction or constructive sale transaction;
- U.S. Holders (as defined below) whose functional currency is not the U.S. dollar;
- partnerships or other entities classified as partnerships for U.S. federal income tax purposes;
- regulated investment companies;
- real estate investment trusts; or
- tax-exempt entities, including “individual retirement accounts” or “Roth IRAs” as defined in Section 408 or 408A of the Code, respectively.

If an entity that is classified as a partnership for U.S. federal income tax purposes holds the securities, the U.S. federal income tax treatment of a partner will generally depend on the status of the partner and the activities of the partnership. If you are a partnership holding the securities or a partner in such a partnership, you should consult your tax adviser as to the particular U.S. federal tax consequences of holding and disposing of the securities to you.

As the law applicable to the U.S. federal income taxation of instruments such as the securities is technical and complex, the discussion below necessarily represents only a general summary. The effect of any applicable state, local or non-U.S. tax laws is not discussed, nor are any alternative minimum tax consequences or consequences resulting from the Medicare tax on investment income. Moreover, the discussion below does not address the consequences to taxpayers subject to special tax accounting rules under Section 451(b) of the Code.

This discussion is based on the Code, administrative pronouncements, judicial decisions and final, temporary and proposed Treasury regulations, all as of the date hereof, changes to any of which subsequent to the date hereof may affect the tax consequences described herein. Persons considering the purchase of the securities should consult their tax advisers with regard to the application of the U.S. federal income tax laws to their particular situations as well as any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

## **General**

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Due to the absence of statutory, judicial or administrative authorities that directly address the treatment of the securities or instruments that are similar to the securities for U.S. federal income tax purposes, no assurance can be given that the IRS or a court will agree with the tax treatment described herein. We intend to treat a security for U.S. federal income tax purposes as a single financial contract that provides for a coupon that will be treated as gross income to you at the time received or accrued in accordance with your regular method of tax accounting. In the opinion of our counsel, Davis Polk & Wardwell LLP, this treatment of the securities is reasonable under current law; however, our counsel has advised us that it is unable to conclude affirmatively that this treatment is more likely than not to be upheld, and that alternative treatments are

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possible.

**You should consult your tax adviser regarding all aspects of the U.S. federal tax consequences of an investment in the securities (including possible alternative treatments of the securities). Unless otherwise stated, the following discussion is based on the treatment of each security as described in the previous paragraph.**

**Tax Consequences to U.S. Holders**

This section applies to you only if you are a U.S. Holder. As used herein, the term “U.S. Holder” means a beneficial owner of a security that is, for U.S. federal income tax purposes:

- a citizen or individual resident of the United States;
  
- a corporation, or other entity taxable as a corporation, created or organized in or under the laws of the United States, any state thereof or the District of Columbia; or
  
- an estate or trust the income of which is subject to U.S. federal income taxation regardless of its source.

***Tax Treatment of the Securities***

Assuming the treatment of the securities as set forth above is respected, the following U.S. federal income tax consequences should result.

*Tax Basis.* A U.S. Holder's tax basis in the securities should equal the amount paid by the U.S. Holder to acquire the securities.

*Tax Treatment of Coupon Payments.* Any coupon payment on the securities should be taxable as ordinary income to a U.S. Holder at the time received or accrued, in accordance with the U.S. Holder's regular method of accounting for U.S. federal income tax purposes.

*Sale, Exchange or Settlement of the Securities.* Upon a sale, exchange or settlement of the securities, a U.S. Holder should recognize gain or loss equal to the difference between the amount realized on the sale, exchange or settlement and the U.S. Holder's tax basis in the securities sold, exchanged or settled. For this purpose, the amount realized does not include any coupon paid at settlement and may not include sale proceeds attributable to an accrued coupon, which may be treated as a coupon payment. Any such gain or loss recognized should be long-term capital gain or loss if the U.S. Holder has held the securities for more than one year at the time of the sale, exchange or settlement, and should be short-term capital gain or loss otherwise. The ordinary income treatment of the coupon payments, in conjunction with the capital loss treatment of any loss recognized upon the sale, exchange or settlement of the securities, could result in adverse tax consequences to holders of the securities because the deductibility of capital losses is subject to limitations.

***Possible Alternative Tax Treatments of an Investment in the Securities***

Due to the absence of authorities that directly address the proper tax treatment of the securities, no assurance can be given that the IRS will accept, or that a court will uphold, the treatment described above. In particular, the IRS could seek to analyze the U.S. federal income tax consequences of owning the securities under Treasury regulations governing contingent payment debt instruments (the "Contingent Debt Regulations"). If the IRS were successful in asserting that the Contingent Debt Regulations applied to the securities, the timing and character of income thereon would be significantly affected. Among other things, a U.S. Holder would be required to accrue into income original issue discount on the securities every year at a "comparable yield" determined at the time of their issuance, adjusted upward or downward to reflect the difference, if any, between the actual and the projected amount of any contingent payments on the securities. Furthermore, any gain realized by a U.S. Holder at maturity or upon a sale, exchange or other disposition of the securities would be treated as ordinary income, and any loss realized would be treated as ordinary loss to the extent of the U.S. Holder's prior accruals of original issue discount and as capital loss thereafter. The risk that financial instruments providing for buffers, triggers or similar downside protection features, such as the securities, would be recharacterized as debt is greater than the risk of recharacterization for comparable financial instruments that do not have such features.

Other alternative federal income tax treatments of the securities are possible, which, if applied,

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could significantly affect the timing and character of the income or loss with respect to the securities. In 2007, the U.S. Treasury Department and the IRS released a notice requesting comments on the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. The notice focuses on whether to require holders of “prepaid forward contracts” and similar instruments to accrue income over the term of their investment. It also asks for comments on a number of related topics, including the character of income or loss with respect to these instruments; whether short-term instruments should be subject to any such accrual regime; the relevance of factors such as the exchange-traded status of the instruments and the nature of the underlying property to which the instruments are linked; whether these instruments are or should be subject to the “constructive ownership” rule, which very generally can operate to recharacterize certain long-term capital gain as ordinary income and impose an interest charge; and appropriate transition rules and effective dates. While it is not clear whether instruments such as the securities would be viewed as similar to the prepaid forward contracts described in the notice, any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, possibly with retroactive effect. U.S. Holders should consult their tax advisers regarding the U.S. federal income tax consequences of an investment in the securities, including possible alternative treatments and the issues presented by this notice.

***Backup Withholding and Information Reporting***

Backup withholding may apply in respect of payments on the securities and the payment of proceeds from a sale, exchange or other disposition of the securities, unless a U.S. Holder provides proof of an applicable exemption or a correct taxpayer identification number and otherwise complies with applicable requirements of the backup withholding rules. The amounts withheld under the backup withholding rules are not an additional tax and may be refunded, or credited against the U.S. Holder’s U.S. federal income tax liability, provided that the required information is timely furnished to the IRS. In addition, information returns will be filed with the IRS in connection with payments on the securities and the payment of proceeds from a sale, exchange or other disposition of the securities, unless the U.S. Holder provides proof of an applicable exemption from the information reporting rules.

## Tax Consequences to Non-U.S. Holders

This section applies to you only if you are a Non-U.S. Holder. As used herein, the term “Non-U.S. Holder” means a beneficial owner of a security that is for U.S. federal income tax purposes:

- an individual who is classified as a nonresident alien;
- a foreign corporation; or
- a foreign estate or trust.

The term “Non-U.S. Holder” does not include any of the following holders:

- a holder who is an individual present in the United States for 183 days or more in the taxable year of disposition and who is not otherwise a resident of the United States for U.S. federal income tax purposes;
- certain former citizens or residents of the United States; or
- a holder for whom income or gain in respect of the securities is effectively connected with the conduct of a trade or business in the United States.

Such holders should consult their tax advisers regarding the U.S. federal income tax consequences of an investment in the securities.

Although significant aspects of the tax treatment of each security are uncertain, we intend to withhold on any coupon paid to a Non-U.S. Holder generally at a rate of 30% or at a reduced rate specified by an applicable income tax treaty under an “other income” or similar provision. We will not be required to pay any additional amounts with respect to amounts withheld. In order to claim an exemption from, or a reduction in, the 30% withholding tax, a Non-U.S. Holder of the securities must comply with certification requirements to establish that it is not a U.S. person and is eligible for such an exemption or reduction under an applicable tax treaty. If you are a Non-U.S. Holder, you should consult your tax adviser regarding the tax treatment of the securities, including the possibility of obtaining a refund of any withholding tax and the certification requirement described above.



*Section 871(m) Withholding Tax on Dividend Equivalents*

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Section 871(m) of the Code and Treasury regulations promulgated thereunder (“Section 871(m)”) generally impose a 30% (or a lower applicable treaty rate) withholding tax on dividend equivalents paid or deemed paid to Non-U.S. Holders with respect to certain financial instruments linked to U.S. equities or indices that include U.S. equities (each, an “Underlying Security”). Subject to certain exceptions, Section 871(m) generally applies to securities that substantially replicate the economic performance of one or more Underlying Securities, as determined based on tests set forth in the applicable Treasury regulations (a “Specified Security”). However, pursuant to an IRS notice, Section 871(m) will not apply to securities issued before January 1, 2021 that do not have a delta of one with respect to any Underlying Security. Based on our determination that the securities do not have a delta of one with respect to any Underlying Security, our counsel is of the opinion that the securities should not be Specified Securities and, therefore, should not be subject to Section 871(m).

Our determination is not binding on the IRS, and the IRS may disagree with this determination. Section 871(m) is complex and its application may depend on your particular circumstances, including whether you enter into other transactions with respect to an Underlying Security. If Section 871(m) withholding is required, we will not be required to pay any additional amounts with respect to the amounts so withheld. You should consult your tax adviser regarding the potential application of Section 871(m) to the securities.

***U.S. Federal Estate Tax***

Individual Non-U.S. Holders and entities the property of which is potentially includible in such an individual’s gross estate for U.S. federal estate tax purposes (for example, a trust funded by such an individual and with respect to which the individual has retained certain interests or powers) should note that, absent an applicable treaty exemption, the securities may be treated as U.S.-situs property subject to U.S. federal estate tax. Prospective investors that are non-U.S. individuals, or are entities of the type described above, should consult their tax advisers regarding the U.S. federal estate tax consequences of an

investment in the securities.

***Backup Withholding and Information Reporting***

Information returns will be filed with the IRS in connection with any coupon payment and may be filed with the IRS in connection with the payment at maturity on the securities and the payment of proceeds from a sale, exchange or other disposition. A Non-U.S. Holder may be subject to backup withholding in respect of amounts paid to the Non-U.S. Holder, unless such Non-U.S. Holder complies with certification procedures to establish that it is not a U.S. person for U.S. federal income tax purposes or otherwise establishes an exemption. The amount of any backup withholding from a payment to a Non-U.S. Holder will be allowed as a credit against the Non-U.S. Holder's U.S. federal income tax liability and may entitle the Non-U.S. Holder to a refund, provided that the required information is timely furnished to the IRS.

**FATCA**

Legislation commonly referred to as "FATCA" generally imposes a withholding tax of 30% on payments to certain non-U.S. entities (including financial intermediaries) with respect to certain financial instruments, unless various U.S. information reporting and due diligence requirements have been satisfied. An intergovernmental agreement between the United States and the non-U.S. entity's jurisdiction may modify these requirements. FATCA generally applies to certain financial instruments that are treated as paying U.S.-source interest or other U.S.-source "fixed or determinable annual or periodical" income ("FDAP income"). Withholding (if applicable) applies to payments of U.S.-source FDAP income and to payments of gross proceeds of the disposition (including upon retirement) of certain financial instruments treated as providing for U.S.-source interest or dividends. Under recently proposed regulations (the preamble to which specifies that taxpayers are permitted to rely on them pending finalization), no withholding will apply on payments of gross proceeds. While the treatment of the securities is unclear, you should assume that any coupon payment with respect to the securities will be subject to the FATCA rules. If withholding applies to the securities, we will not be required to pay any additional amounts with respect to amounts withheld. Both U.S. and Non-U.S. Holders should consult their tax advisers regarding the potential application of FATCA to the securities.

**The discussion in the preceding paragraphs, insofar as it purports to describe provisions of U.S. federal income tax laws or legal conclusions with respect thereto, constitutes the full opinion of Davis Polk & Wardwell LLP regarding the material U.S. federal tax consequences of an investment in the securities.**

Use of proceeds and hedging: The proceeds from the sale of the securities will be used by us for general corporate purposes. We will receive, in aggregate, \$1,000 per security issued, because, when we enter into hedging

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transactions in order to meet our obligations under the securities, our hedging counterparty will reimburse the cost of the agent's commissions. The costs of the securities borne by you and described beginning on page 5 above comprise the agent's commissions and the cost of issuing, structuring and hedging the securities.

On or prior to the pricing date, we hedged our anticipated exposure in connection with the securities by entering into hedging transactions with our affiliates and/or third-party dealers. We expect our hedging counterparties to have taken positions in the underlying shares and in futures and/or options contracts on the underlying shares or any component stocks of the share underlying indices. Such purchase activity could have increased the initial share price of one or both of the underlying shares and, therefore, could have increased (i) the value at or above which such underlying shares must close on the redemption determination dates so that the securities are redeemed prior to maturity for the early redemption payment (depending also on the performance of the other underlying shares) and (ii) the coupon barrier level for such underlying shares, which is the value at or above which the underlying shares must close on the observation dates so that you receive a contingent monthly coupon on the securities (depending also on the performance of the other underlying shares) and (iii) the value at or above which such underlying shares must close on the final observation date so that you are not exposed to the negative performance of the worst performing underlying shares at maturity (depending also on the performance of the other underlying shares). These entities may be unwinding or adjusting hedge positions during the term of the securities, and the hedging strategy may involve greater and more frequent dynamic adjustments to the hedge as the final observation date approaches. Additionally, our hedging activities, as well as our other trading activities, during the term of the securities could potentially affect the value of any of the underlying shares on the redemption determination dates and other observation dates and, accordingly, whether we redeem the securities prior to maturity, whether we pay a contingent monthly coupon on the securities and the amount of cash you will receive at maturity. For further information on our use of proceeds and hedging, see "Use of Proceeds and Hedging" in the accompanying product supplement.

**Benefit plan investor considerations:** Each fiduciary of a pension, profit-sharing or other employee benefit plan subject to Title I of the Employee Retirement Income Security Act of 1974, as amended ("ERISA") (a "Plan"), should consider the fiduciary standards of ERISA in the context of the Plan's particular circumstances before

authorizing an investment in the securities. Accordingly, among other factors, the fiduciary should consider whether the investment would satisfy the prudence and diversification requirements of ERISA and would be consistent with the documents and instruments governing the Plan.

In addition, we and certain of our affiliates, including MS & Co., may each be considered a “party in interest” within the meaning of ERISA, or a “disqualified person” within the meaning of the Internal Revenue Code of 1986, as amended (the “Code”), with respect to many Plans, as well as many individual retirement accounts and Keogh plans (such accounts and plans, together with other plans, accounts and arrangements subject to Section 4975 of the Code, also “Plans”). ERISA Section 406 and Code Section 4975 generally prohibit transactions between Plans and parties in interest or disqualified persons. Prohibited transactions within the meaning of ERISA or the Code would likely arise, for example, if the securities are acquired by or with the assets of a Plan with respect to which MS & Co. or any of its affiliates is a service provider or other party in interest, unless the securities are acquired pursuant to an exemption from the “prohibited transaction” rules. A violation of these “prohibited transaction” rules could result in an excise tax or other liabilities under ERISA and/or Section 4975 of the Code for those persons, unless exemptive relief is available under an applicable statutory or administrative exemption.

The U.S. Department of Labor has issued five prohibited transaction class exemptions (“PTCEs”) that may provide exemptive relief for direct or indirect prohibited transactions resulting from the purchase or holding of the securities. Those class exemptions are PTCE 96-23 (for certain transactions determined by in-house asset managers), PTCE 95-60 (for certain transactions involving insurance company general accounts), PTCE 91-38 (for certain transactions involving bank collective investment funds), PTCE 90-1 (for certain transactions involving insurance company separate accounts) and PTCE 84-14 (for certain transactions determined by independent qualified professional asset managers). In addition, ERISA Section 408(b)(17) and Code Section 4975(d)(20) provide an exemption for the purchase and sale of securities and the related lending transactions, provided that neither the issuer of the securities nor any of its affiliates has or exercises any discretionary authority or control or renders any investment advice with respect to the assets of the Plan involved in the transaction and provided further that the Plan pays no more, and receives no less, than “adequate consideration” in connection with the transaction (the so-called “service provider” exemption). There can be no assurance that any of these class or statutory exemptions will be available with respect to transactions involving the securities.

Morgan Stanley Finance LLC

Contingent Income Buffered Auto-Callable Securities due February 2, 2021, With 6-month Initial Non-Call Period

**All Payments on the Securities Based on the Worst Performing of the SPDR® S&P® Oil & Gas Exploration & Production ETF and the Market Vectors Gold Miners ETF**

**Principal at Risk Securities**

Because we may be considered a party in interest with respect to many Plans, the securities may not be purchased, held or disposed of by any Plan, any entity whose underlying assets include “plan assets” by reason of any Plan’s investment in the entity (a “Plan Asset Entity”) or any person investing “plan assets” of any Plan, unless such purchase, holding or disposition is eligible for exemptive relief, including relief available under PTCES 96-23, 95-60, 91-38, 90-1, 84-14 or the service provider exemption or such purchase, holding or disposition is otherwise not prohibited. Any purchaser, including any fiduciary purchasing on behalf of a Plan, transferee or holder of the securities will be deemed to have represented, in its corporate and its fiduciary capacity, by its purchase and holding of the securities that either (a) it is not a Plan or a Plan Asset Entity and is not purchasing such securities on behalf of or with “plan assets” of any Plan or with any assets of a governmental, non-U.S. or church plan that is subject to any federal, state, local or non-U.S. law that is substantially similar to the provisions of Section 406 of ERISA or Section 4975 of the Code (“Similar Law”) or (b) its purchase, holding and disposition of these securities will not constitute or result in a non-exempt prohibited transaction under Section 406 of ERISA or Section 4975 of the Code or violate any Similar Law.

Due to the complexity of these rules and the penalties that may be imposed upon persons involved in non-exempt prohibited transactions, it is particularly important that fiduciaries or other persons considering purchasing the securities on behalf of or with “plan assets” of any Plan consult with their counsel regarding the availability of exemptive relief.

The securities are contractual financial instruments. The financial exposure provided by the securities is not a substitute or proxy for, and is not intended as a substitute or proxy for, individualized investment management or advice for the benefit of any purchaser or holder of the securities. The securities have not been designed and will not be administered in a manner intended to reflect the individualized needs and objectives of any purchaser or holder of the securities.

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Each purchaser or holder of any securities acknowledges and agrees that:

(i) the purchaser or holder or its fiduciary has made and shall make all investment decisions for the purchaser or holder and the purchaser or holder has not relied and shall not rely in any way upon us or our affiliates to act as a fiduciary or adviser of the purchaser or holder with respect to (A) the design and terms of the securities, (B) the purchaser or holder's investment in the securities, or (C) the exercise of or failure to exercise any rights we have under or with respect to the securities;

(ii) we and our affiliates have acted and will act solely for our own account in connection with (A) all transactions relating to the securities and (B) all hedging transactions in connection with our obligations under the securities;

(iii) any and all assets and positions relating to hedging transactions by us or our affiliates are assets and positions of those entities and are not assets and positions held for the benefit of the purchaser or holder;

(iv) our interests are adverse to the interests of the purchaser or holder; and

(v) neither we nor any of our affiliates is a fiduciary or adviser of the purchaser or holder in connection with any such assets, positions or transactions, and any information that we or any of our affiliates may provide is not intended to be impartial investment advice.

Each purchaser and holder of the securities has exclusive responsibility for ensuring that its purchase, holding and disposition of the securities do not violate the prohibited transaction rules of ERISA or the Code or any Similar Law. The sale of any securities to any Plan or plan subject to Similar Law is in no respect a representation by us or any of our affiliates or representatives that such an investment meets all relevant legal requirements with respect to investments by plans generally or any particular plan, or that such an investment is appropriate for plans generally or any particular plan. In this regard, neither this discussion nor anything provided in this document is or is intended to be investment advice directed at any potential Plan purchaser or at Plan purchasers generally and such purchasers of these securities should consult and rely on their own counsel and advisers as to whether an investment in these securities is suitable.

However, individual retirement accounts, individual retirement annuities and Keogh plans, as well as employee benefit plans that permit participants to direct the investment of their accounts, will not be permitted to purchase or hold the securities if the account, plan or annuity is for the benefit of an employee of Morgan Stanley or Morgan Stanley Wealth Management or a family member and the



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employee receives any compensation (such as, for example, an addition to bonus) based on the purchase of the securities by the account, plan or annuity.

Additional  
considerations:

Client accounts over which Morgan Stanley, Morgan Stanley Wealth Management or any of their respective subsidiaries have investment discretion are **not** permitted to purchase the securities, either directly or indirectly.

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Morgan Stanley Finance LLC

Contingent Income Buffered Auto-Callable Securities due February 2, 2021, With 6-month Initial Non-Call Period

**All Payments on the Securities Based on the Worst Performing of the SPDR® S&P® Oil & Gas Exploration & Production ETF and the Market Vectors Gold Miners ETF**

**Principal at Risk Securities**

Selected dealers, which may include our affiliates, and their financial advisors will collectively receive from the agent a fixed sales commission of \$27.50 for each security they sell.

Supplemental information regarding plan of distribution; conflicts of interest:

MS & Co. is an affiliate of MSFL and a wholly owned subsidiary of Morgan Stanley, and it and other affiliates of ours expect to make a profit by selling, structuring and, when applicable, hedging the securities.

MS & Co. will conduct this offering in compliance with the requirements of FINRA 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. MS & Co. or any of our other affiliates may not make sales in this offering to any discretionary account. See "Plan of Distribution (Conflicts of Interest)" and "Use of Proceeds and Hedging" in the accompanying product supplement for auto-callable securities.

Validity of the securities:

In the opinion of Davis Polk & Wardwell LLP, as special counsel to MSFL and Morgan Stanley, when the securities offered by this pricing supplement have been executed and issued by MSFL, authenticated by the trustee pursuant to the MSFL Senior Debt Indenture (as defined in the accompanying prospectus) and delivered against payment as contemplated herein, such securities will be valid and binding obligations of MSFL and the related guarantee will be a valid and binding obligation 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 (i) the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law on the conclusions expressed above and (ii) any provision of the MSFL Senior Debt Indenture that purports to avoid the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law by limiting the amount of Morgan Stanley's obligation under the related guarantee. This opinion is given as of the date hereof and is limited to the laws of the State of New York, the General Corporation Law of the State of Delaware and the Delaware Limited Liability

Explanation of Responses:

Company Act. In addition, this opinion is subject to customary assumptions about the trustee's authorization, execution and delivery of the MSFL Senior Debt Indenture and its authentication of the securities and the validity, binding nature and enforceability of the MSFL 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.

Contact:

Morgan Stanley Wealth Management clients may contact their local Morgan Stanley branch office or our principal executive offices at 1585 Broadway, New York, New York 10036 (telephone number (866) 477-4776). All other clients may contact their local brokerage representative. Third-party distributors may contact Morgan Stanley Structured Investment Sales at (800) 233-1087.

Morgan Stanley and MSFL have filed a registration statement (including a prospectus, as supplemented by the product supplement for auto-callable securities and the index supplement) with the Securities and Exchange Commission, or SEC, for the offering to which this communication relates. You should read the prospectus in that registration statement, the product supplement for auto-callable securities, the index supplement and any other documents relating to this offering that MSFL and Morgan Stanley have filed with the SEC for more complete information about Morgan Stanley and this offering. You may get these documents without cost by visiting EDGAR on the SEC web site at [www.sec.gov](http://www.sec.gov). Alternatively, MSFL, Morgan Stanley, any underwriter or any dealer participating in the offering will arrange to send you the prospectus and the product supplement for auto-callable securities and the index supplement if you so request by calling toll-free 1-(800)-584-6837.

Where you can  
find more  
information:

You may access these documents on the SEC web site at [www.sec.gov](http://www.sec.gov) as follows:

**[Product Supplement for Auto-Callable Securities dated November 16, 2017](#)**

**[Index Supplement dated November 16, 2017](#)**

**[Prospectus dated November 16, 2017](#)**

Terms used but not defined in this document are defined in the product supplement for auto-callable securities, the index supplement or in the prospectus.