

BANK OF NOVA SCOTIA

Form 424B5

July 25, 2016

**The information in this Preliminary Pricing Supplement is not complete and may be changed. We may not sell these notes until the Pricing Supplement is delivered in final form. We are not selling these notes, nor are we soliciting offers to buy these notes, in any State where such offer or sale is not permitted.**



**The Bank of Nova Scotia****\$ Buffered Notes with a Digital Return, Series A****Linked to the EURO STOXX 50® Index Due [•]**

**The notes will not bear interest.** The amount that you will be paid on your notes at maturity (expected to be the 3<sup>rd</sup> business day after the valuation date) is based on the performance of the EURO STOXX 50® Index (the reference asset) as measured from the trade date to and including the valuation date (expected to be between 21 and 24 months after the trade date). If the final level on the valuation date is equal to or greater than the buffer level of 80% of the initial level (set on the trade date), you will receive the principal amount plus the product of the principal amount times the digital return (expected to be between 7.28% and 8.56%), resulting in a payment at maturity of between \$1,072.80 and \$1,085.60 for each \$1,000 principal amount of your notes. **If the final level on the valuation date is less than the buffer level of 80% of the initial level, the return on your notes will be negative and you may lose your entire principal amount. Specifically, you will lose 1.25% for every 1% negative percentage change below 80% of the initial level. Any payment on your notes is subject to the creditworthiness of The Bank of Nova Scotia.**

To determine your payment at maturity, we will first calculate the percentage increase or decrease in the final level from the initial level (the percentage change). At maturity, for each \$1,000 principal amount of your notes:

- if the final level is *equal to or greater than* 80.00% of the initial level (the percentage change is equal to or greater than -20.00%), you will receive an amount in cash equal to the *sum* of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) the digital return; or
- if the final level is *less than* the initial level by more than 20.00% (the percentage change is negative and is *less than* -20.00%), you will receive an amount in cash equal to the *sum* of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) 125.00% *times* (c) the *sum* of the percentage change *plus* 20.00%.

Following the determination of the initial level, the amount you will be paid on your notes at maturity will not be affected by the closing level of the reference asset on any day other than the valuation date. **In addition, no payments on your notes will be made prior to maturity.**

Investment in the notes involves certain risks. You should refer to **Additional Risks** on page P-16 of this pricing supplement and **Additional Risk Factors Specific to the Notes** beginning on page PS-5 of the accompanying product prospectus supplement and **Risk Factors** beginning on page S-2 of the accompanying prospectus supplement and on page 6 of the accompanying prospectus.

The estimated value of your notes at the time the terms of your notes are set on the trade date is expected to be between \$957.50 and \$977.50 per \$1,000 principal amount, which will be less than the original issue price of your notes. For a discussion of the estimated value and the price at which Goldman, Sachs & Co. would initially buy or sell your notes, if it makes a market in the notes (which it is not obligated to do), see **Additional Information Regarding Estimated Value of the Notes** on page P-2 of this pricing supplement.

	Per Note	Total	
Original Issue Price	100.00%		\$
Underwriting commissions	%		\$
Proceeds to The Bank of Nova Scotia	%		\$

**NEITHER THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THE NOTES OR PASSED UPON THE ACCURACY OR THE ADEQUACY OF THIS PRICING SUPPLEMENT, THE ACCOMPANYING PROSPECTUS, ACCOMPANYING PROSPECTUS SUPPLEMENT OR ACCOMPANYING PRODUCT PROSPECTUS SUPPLEMENT. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.**

**THE NOTES ARE NOT INSURED BY THE CANADA DEPOSIT INSURANCE CORPORATION PURSUANT TO THE CANADA DEPOSIT INSURANCE CORPORATION ACT OR THE U.S. FEDERAL DEPOSIT INSURANCE CORPORATION OR ANY OTHER GOVERNMENT AGENCY OF CANADA, THE UNITED STATES OR ANY OTHER JURISDICTION.**

Scotia Capital (USA) Inc.

Goldman, Sachs & Co.  
Dealer

Pricing Supplement No.    dated July [•], 2016

The Buffered Notes with a Digital Return, Series A Linked to the EURO STOXX 50® Index Due [•] (the notes ) offered hereunder are unsubordinated and unsecured obligations of The Bank of Nova Scotia (the Bank ) and are subject to investment risks including possible loss of the principal amount invested due to the negative performance of the reference asset and the credit risk of The Bank of Nova Scotia. As used in this pricing supplement, the Bank, we, us or our refers to The Bank of Nova Scotia. The notes will not be listed on a U.S. securities exchange or automated quotation system.

The return on your notes will relate to the price return of the reference asset and will not include a total return or dividend component. The notes are derivative products based on the performance of the reference asset. The notes do not constitute a direct investment in any of the shares, units or other securities represented by the reference asset. By acquiring the notes, you will not have a direct economic or other interest in, claim or entitlement to, or any legal or beneficial ownership of any such share, unit or security and will not have any rights as a shareholder, unitholder or other security holder of any of the issuers including, without limitation, any voting rights or rights to receive dividends or other distributions.

Scotia Capital (USA) Inc., our affiliate, will purchase the notes from us for distribution to other registered broker dealers or will offer the notes directly to investors. Scotia Capital (USA) Inc. or any of its affiliates or agents may use this pricing supplement in market-making transactions in notes after their initial sale. Unless we, Scotia Capital (USA) Inc. or another of its affiliates or agents selling such notes to you informs you otherwise in the confirmation of sale, this pricing supplement is being used in a market-making transaction. See Supplemental Plan of Distribution (Conflicts of Interest) in this pricing supplement and Supplemental Plan of Distribution on page PS-31 of the accompanying product prospectus supplement.

The original issue price, commissions and proceeds to the Bank listed above relate to the notes we issue initially. We may decide to sell additional notes after the date of this pricing supplement, at original issue prices and with commissions and proceeds to the Bank that differ from the amounts set forth above. The return (whether positive or negative) on your investment in the notes will depend in part on the original issue price you pay for such notes.

#### **Additional Information Regarding Estimated Value of the Notes**

**The estimated value of your notes at the time the terms of your notes are set on the trade date is expected to be between \$957.50 and \$977.50 per \$1,000 principal amount, which is less than the original issue price of your notes.** The pricing models used to determine the estimated value consider certain variables, including principally our credit spreads, interest rates (forecasted, current and historical rates), volatility, price-sensitivity analysis and the time to maturity of the notes. The difference between the estimated value

of your notes and the original issue price is a result of certain factors, including principally the underwriting discount and commissions, the expenses incurred in creating, documenting and marketing the notes, and an estimate of the difference between the amounts we pay to Goldman, Sachs & Co. ( GS&Co. ) or an affiliate and the amounts GS&Co. or an affiliate pay to us in connection with your notes, as described further under Supplemental Plan of Distribution (Conflicts of Interest) . We pay to GS&Co. or an affiliate amounts based on what we would pay to holders of a non-structured note with a similar maturity. In return for such payment, GS&Co.or an affiliate pays to us the amount we owe under the notes.

The price at which GS&Co. will make a market in the notes (if it makes a market, which it is not obligated to do), and the value of your notes shown on your account statement, will be based on pricing models and variables similar to those used in determining the estimated value on the trade date. The value of your notes at any time will reflect many factors and cannot be predicted; however, the price (not including GS&Co. s customary bid and ask spreads) at which GS&Co. would initially buy or sell notes (if it makes a market, which it is not obligated to do) and the value that GS&Co. will initially use for account statements and otherwise is equal to approximately \$[•] per \$1,000 principal amount, which exceeds the estimated value of your notes on the trade date. The amount of the excess will decline on a straight line basis over the period from the trade date through [•].

**We urge you to read the Additional Risks beginning on page P-16 of this pricing supplement.**

## Summary

The information in this Summary section is qualified by the more detailed information set forth in this pricing supplement, the accompanying prospectus, accompanying prospectus supplement, and accompanying product prospectus supplement, each filed with the Securities and Exchange Commission ( SEC ). See Additional Terms of Your Notes in this pricing supplement.

<b>Issuer:</b>	The Bank of Nova Scotia (the Bank )
<b>CUSIP/ISIN:</b>	CUSIP 064159HW9 / ISIN US064159HW91
<b>Type of Notes:</b>	Buffered Notes with a Digital Return, Series A
<b>Reference Asset:</b>	The EURO STOXX 50® Index (Bloomberg Ticker: SX5E)
<b>Minimum Investment and Denominations:</b>	\$1,000 and integral multiples of \$1,000 in excess thereof
<b>Principal Amount:</b>	\$1,000 per note; \$[•] in the aggregate for all the offered notes; the aggregate principal amount of the offered notes may be increased if the Bank, at its sole option, decides to sell an additional amount of the offered notes on a date subsequent to the date of this pricing supplement.
<b>Original Issue Price:</b>	100% of the principal amount of each note
<b>Currency:</b>	U.S. dollars
<b>Trade Date:</b>	[•]
<b>Original Issue Date:</b>	[•] (to be determined on the trade date and expected to be the 5 <sup>th</sup> business day after the trade date).

We expect that delivery of the notes will be made against payment therefor on or about the 5<sup>th</sup> business day following the date of pricing of the notes (this settlement cycle being referred to as T+5 ). Under Rule 15c6-1 of the Securities and Exchange Act of 1934, as amended, trades in the secondary market generally are required to settle in three business days, unless the parties to any such trade expressly agree otherwise.

Accordingly, purchasers who wish to trade the notes on the trade date will be required, by virtue of the fact that each note initially will settle in 5 business days (T+5), to specify alternative settlement arrangements to prevent a failed settlement.

**Valuation Date:** [•] (to be determined on the trade date and expected to be approximately 21-24 months after the trade date).

The valuation date could be delayed by the occurrence of a market disruption event. See General Terms of the Notes Market Disruption Events beginning on page PS-19 in the accompanying product prospectus supplement.

**Maturity Date:** [•] (to be determined on the trade date and expected to be the 3<sup>rd</sup> business day after the valuation date), subject to adjustment as described in more detail under General Terms of the Notes Maturity Date on page PS-17 in the accompanying product prospectus supplement.

**Principal at Risk:** You may lose all or a substantial portion of your initial investment at maturity if there is a



percentage decrease from the initial level to the final level of more than 20%.

**Purchase at amount other than principal amount:**

The amount we will pay you on the maturity date for your notes will not be adjusted based on the original issue price you pay for your notes, so if you acquire notes at a premium (or discount) to the principal amount and hold them to the maturity date, it could affect your investment in a number of ways. The return on your investment in such notes will be lower (or higher) than it would have been had you purchased the notes at the principal amount. See **Additional Risks** If you purchase your notes at a premium to the principal amount, the return on your investment will be lower than the return on notes purchased at the principal amount and the impact of certain key terms of the notes will be negatively affected on page P-21 of this pricing supplement.

**Fees and Expenses:**

As part of the distribution of the notes, Scotia Capital (USA) Inc. or one of our affiliates will sell notes to GS&Co. at a discount reflecting commissions of \$[•] per \$1,000 principal amount of the notes. The commissions per \$1,000 principal amount are comprised of \$[•] of fees and \$[•] of selling commission, to be set on the trade date. See **Supplemental Plan of Distribution (Conflicts of Interest)** in this pricing supplement.

The price at which you purchase the notes includes costs that the Bank or its affiliates expect to incur and profits that the Bank or its affiliates expect to realize in connection with hedging activities related to the notes, as set forth below under **Supplemental Plan of Distribution (Conflicts of Interest)** . These costs and profits will likely reduce the secondary market price, if any secondary market develops, for the notes. As a result, you may experience an immediate and substantial decline in the market value of your notes on the trade date. See **Additional Risks Hedging activities by the Bank and GS&Co.** may negatively impact investors in the notes and cause our respective interests and those of our clients and counterparties to be contrary to those of investors in the notes in this pricing supplement.

**Payment at Maturity:**

The payment at maturity will be based on the performance of the reference asset and will be calculated as follows:

- If the final level is equal to or greater than the buffer level, then the payment at maturity will equal:

the principal amount + (the principal amount x the digital return)

- If the final level is less than the buffer level, then the payment at maturity will equal:

the principal amount + [the principal amount x the buffer rate x (the percentage change + the buffer percentage)]

***In this case you will suffer a percentage loss on your initial investment equal to the buffer rate multiplied by the negative percentage change in excess of the buffer percentage. Accordingly, you could lose up to 100% of your initial investment.***

**Closing Level:**

As used herein, the closing level of the reference asset on any date will be determined based upon the closing level published on the Bloomberg page SX5E<Index> or any successor page on Bloomberg or any successor service, as applicable, on such date.

**Initial Level:** The closing level of the reference asset on the trade date.

**Final Level:** The closing level of the reference asset on the valuation date. In certain special circumstances, the final level will be determined by the calculation agent, in its discretion, and such determinations will, under certain circumstances, be confirmed by an independent calculation expert. See General Terms of the Notes Unavailability of the Level of the Reference Asset on a Valuation Date and General Terms of the Notes Market Disruption Events beginning on page PS-18 and Appointment of Independent Calculation Experts beginning on page PS-22, in the accompanying product prospectus supplement.

**Percentage Change:** The percentage change, expressed as a percentage, with respect to the payment at maturity, is calculated as follows:

$$\frac{\text{final level} - \text{initial level}}{\text{initial level}}$$

For the avoidance of doubt, the percentage change may be a negative value.

**Digital Return:** Expected to be between 7.28% to 8.56% (the actual digital return will be determined on the trade date).

**Buffer Level:** 80.00% of the initial level

**Buffer Percentage:** 20.00%

**Buffer Rate:** The *quotient* of the initial level *divided* by the buffer level, which equals 125.00%

**Form of Notes:** Book-entry

**Calculation Agent:** Scotia Capital Inc., an affiliate of the Bank

**Status:** The notes will constitute direct, unsubordinated and unsecured obligations of the Bank ranking *pari passu* with all other direct, unsecured and unsubordinated indebtedness of the Bank from time to time outstanding (except as otherwise prescribed by law). Holders will not have the benefit of any insurance under the provisions of the *Canada Deposit Insurance Corporation Act*, the U.S. *Federal Deposit Insurance Act* or under any other

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deposit insurance regime of any jurisdiction.

**Tax Redemption:**

The Bank (or its successor) may redeem the notes, in whole but not in part, at a redemption price determined by the calculation agent in a manner reasonably calculated to preserve your and our relative economic position, if it is determined that changes in tax laws or their interpretation will result in the Bank (or its successor) becoming obligated to pay additional amounts with respect to the notes. See Tax Redemption below.

**Listing:**

The notes will not be listed on any securities exchange or quotation system.

**Use of Proceeds:**

General corporate purposes

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**Clearance and Settlement:** Depository Trust Company

**Business Day:** New York and Toronto

**Terms Incorporated:** All of the terms appearing above the item under the caption General Terms of the Notes beginning on page PS-14 in the accompanying product prospectus supplement, as modified by this pricing supplement.

**INVESTING IN THE NOTES INVOLVES SIGNIFICANT RISKS. YOU MAY LOSE ALL OR A SUBSTANTIAL PORTION OF YOUR INVESTMENT. ANY PAYMENT ON THE NOTES, INCLUDING ANY REPAYMENT OF PRINCIPAL, IS SUBJECT TO THE CREDITWORTHINESS OF THE BANK. IF THE BANK WERE TO DEFAULT ON ITS PAYMENT OBLIGATIONS YOU MAY NOT RECEIVE ANY AMOUNTS OWED TO YOU UNDER THE NOTES AND YOU COULD LOSE YOUR ENTIRE INVESTMENT.**

## ADDITIONAL TERMS OF YOUR NOTES

You should read this pricing supplement together with the prospectus dated December 1, 2014, as supplemented by the prospectus supplement dated December 1, 2014 and the product prospectus supplement (Equity Linked Index Notes, Series A) dated July 9, 2015, relating to our Senior Note Program, Series A, of which these notes are a part. Capitalized terms used but not defined in this pricing supplement will have the meanings given to them in the product prospectus supplement. In the event of any conflict, this pricing supplement will control. ***The notes may vary from the terms described in the accompanying prospectus, accompanying prospectus supplement and accompanying product prospectus supplement in several important ways. You should read this pricing supplement carefully, including the documents incorporated by reference herein.***

This pricing supplement and the documents listed below contain the terms of the notes and supersede all prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, brochures or other educational materials of ours. You should carefully consider, among other things, the matters set forth in Additional Risk Factors Specific to the Notes in the accompanying product prospectus supplement, as the notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the notes. You may access these documents on the SEC website at [www.sec.gov](http://www.sec.gov) as follows (or if that address has changed, by reviewing our filings for the relevant date on the SEC website).

Prospectus dated December 1, 2014:

[https://www.sec.gov/Archives/edgar/data/9631/000089109214008992/e61582\\_424b3.htm](https://www.sec.gov/Archives/edgar/data/9631/000089109214008992/e61582_424b3.htm)

Prospectus Supplement dated December 1, 2014:

<https://www.sec.gov/Archives/edgar/data/9631/000089109214008993/e61583-424b3.htm>

Product Prospectus Supplement (Equity Linked Index Notes, Series A) dated July 9, 2015:

## INVESTOR SUITABILITY

The notes may be suitable for you if:

- You fully understand the risks inherent in an investment in the notes, including the risk of losing all or a substantial portion of your initial investment.
- You can tolerate a loss of up to 100% of your initial investment and are willing to make an investment that may have an accelerated downside risk greater than the downside market risk of an investment in the reference asset or in the stocks comprising the reference asset (the reference asset constituent stocks ), subject to the buffer percentage.
- You believe that the final level will be equal to or greater than the buffer level and that any appreciation of the reference asset is unlikely to exceed the digital return.
- You are willing to hold the notes to maturity, a term of approximately 21 to 24 months, and accept that there may be little or no secondary market for the notes.
- You understand and accept that your potential return is limited to the digital return and you would be willing to invest in the notes if the digital return was set equal to the bottom of the range indicated herein (the actual digital return will be set on the trade date).
- You can tolerate fluctuations in the price of the notes prior to maturity that may be similar to or exceed the downside fluctuations in the level of the reference asset.

- You do not seek current income from your investment.
- You seek an investment with exposure to companies in the Eurozone.
- You are willing to assume the credit risk of the Bank for all payments under the notes, and understand that if the Bank defaults on its obligations you may not receive any amounts due to you including any repayment of principal.

The notes may not be suitable for you if:

- You do not fully understand the risks inherent in an investment in the notes, including the risk of losing all or a substantial portion of your initial investment.
- You require an investment designed to guarantee a full return of principal at maturity.
- You cannot tolerate a loss of all or a substantial portion of your initial investment and are not willing to make an investment that may have an accelerated downside risk greater than downside market risk of an investment in the reference asset or in the reference asset constituent stocks, subject to the buffer percentage.
- You believe that the final level will be less than the buffer level, or you believe the level of the reference asset will appreciate over the term of the notes and that the appreciation is likely to equal or exceed the digital return.
- You seek an investment that has unlimited return potential or you would be unwilling to invest in the notes if the digital return was set equal to the bottom of the range indicated herein (the actual digital return will be set on the trade date).



- You cannot tolerate fluctuations in the price of the notes prior to maturity that may be similar to or exceed the downside fluctuations in the level of the reference asset.
- You seek current income from your investment or prefer to receive dividends paid on the stocks included in the reference asset.
- You are unable or unwilling to hold the notes to maturity, a term of approximately 21 to 24 months, or you seek an investment for which there will be a secondary market.
- You do not seek an investment with exposure to companies in the Eurozone.
- You are not willing to assume the credit risk of the Bank for all payments under the notes.

**The investor suitability considerations identified above are not exhaustive. Whether or not the notes are a suitable investment for you will depend on your individual circumstances and you should reach an investment decision only after you and your investment, legal, tax, accounting and other advisors have carefully considered the suitability of an investment in the notes in light of your particular circumstances. You should also review Additional Risks in this pricing supplement and the Additional Risk Factors Specific to the Notes beginning on page PS-5 of the accompanying product prospectus supplement and Risk Factors beginning on page S-2 of the accompanying prospectus supplement and Risk Factors on page 6 of the accompanying prospectus for risks related to an investment in the notes.**

## **EVENTS OF DEFAULT AND ACCELERATION**

If the notes have become immediately due and payable following an event of default (as defined in the accompanying prospectus) with respect to the notes, the calculation agent will determine the default amount as described below.

### ***Default Amount***

The default amount for your notes on any day (except as provided in the last sentence under *Default Quotation Period* below) will be an amount, in the specified currency for the principal of your notes, equal to the cost of having a qualified financial institution, of the kind and selected as described below, expressly assume all our payment and other obligations with respect to your notes as of that day and as if no default or acceleration had occurred, or to undertake other obligations providing substantially equivalent economic value to you with respect to your notes. That cost will equal:

- the lowest amount that a qualified financial institution would charge to effect this assumption or undertaking, plus
- the reasonable expenses, including reasonable attorneys' fees, incurred by the trustees of your notes in preparing any documentation necessary for this assumption or undertaking.

During the default quotation period for your notes, described below, the trustees and/or the Bank may request a qualified financial institution to provide a quotation of the amount it would charge to effect this assumption or undertaking. If either party obtains a quotation, it must notify the other party in writing of the quotation. The amount referred to in the first bullet point above will equal the lowest or, if there is only one, the only quotation obtained, and as to which notice is so given, during the default quotation period. With respect to any quotation, however, the party not obtaining the quotation may object, on reasonable and significant grounds, to the assumption or undertaking by the qualified financial institution providing the quotation and notify the other party in writing of those grounds within two business days after the last day of the default quotation period, in which case that quotation will be disregarded in determining the default amount.

### ***Default Quotation Period***

The default quotation period is the period beginning on the day the default amount first becomes due (the due day ) and ending on the third business day after that day, unless:

- no quotation of the kind referred to above is obtained, or
- every quotation of that kind obtained is objected to within five business days after the due day as described above.

If either of these two events occurs, the default quotation period will continue until the third business day after the first business day on which prompt notice of an objection is given as described above. If that quotation is objected to as described above within five business days after that first business day, however, the default quotation period will continue as described in the prior sentence and this sentence.

***Qualified Financial Institutions***

For the purpose of determining the default amount at any time, a qualified financial institution must be a financial institution organized under the laws of any jurisdiction in the United States of America, Europe or Japan, which at that time has outstanding debt obligations with a stated maturity of one year or less from the date of issue and that is, or whose securities are, rated either:

- A-1 or higher by Standard & Poor's Ratings Services, or any successor, or any other comparable rating then used by that rating agency, or
- P-1 or higher by Moody's Investors Service or any successor, or any other comparable rating then used by that rating agency.

If the notes have become immediately due and payable following an event of default, you will not be entitled to any additional payments with respect to the notes. For more information, see Description of the Debt Securities We May Offer Events of Default beginning on page 21 of the accompanying prospectus.

#### **TAX REDEMPTION**

The Bank (or its successor) may redeem the notes, in whole but not in part, at a redemption price determined by the calculation agent in a manner reasonably calculated to preserve your and our relative economic position, upon the giving of a notice as described below, if:

- as a result of any change (including any announced prospective change) in or amendment to the laws (or any regulations or rulings promulgated thereunder) of Canada (or the jurisdiction of organization of the successor to the Bank) or of any political subdivision or taxing authority thereof or therein affecting taxation, or any change in official position regarding the application or interpretation of such laws, regulations or rulings (including a holding by a court of competent jurisdiction), which change or amendment is announced or becomes effective on or after the trade date (or, in the case of a successor to the Bank, after the date of succession), and which in the written opinion to the Bank (or its successor) of legal counsel of recognized standing has resulted or will result (assuming, in the case of any announced prospective change, that such announced change will become effective as of the date specified in such announcement and in the form announced) in the Bank (or its successor) becoming obligated to pay, on the next succeeding date on which a payment is due, additional amounts with respect to the notes; or
- on or after the trade date (or, in the case of a successor to the Bank, after the date of succession), any action has been taken by any taxing authority of, or any decision has been rendered by a court of competent jurisdiction in, Canada (or the jurisdiction of organization of the successor to the Bank) or any political subdivision or taxing authority thereof or therein, including any of those actions specified in the paragraph immediately above, whether or not such action was taken or decision was rendered with respect to the Bank (or its successor), or any change, amendment, application or interpretation shall be officially proposed, which, in any such case, in the written opinion to the Bank (or its successor) of legal counsel of recognized standing, will result (assuming, that such change, amendment or action is applied to the notes by the taxing authority and that, in the case of any announced prospective change, that such announced change will become effective as of the date specified in such announcement and in the form announced) in the Bank (or its successor) becoming obligated to pay, on the next succeeding date on which a payment is

due, additional amounts with respect to the notes;

and, in any such case, the Bank (or its successor), in its business judgment, determines that such obligation cannot be avoided by the use of reasonable measures available to it (or its successor).

The redemption price will be determined by the calculation agent, in its discretion, and such determination will, under certain circumstances, be confirmed by an independent calculation expert. See Appointment of Independent Calculation Experts on page PS-22, in the accompanying product prospectus supplement.

In the event the Bank elects to redeem the notes pursuant to the provisions set forth in the preceding paragraph, it shall deliver to the trustees a certificate, signed by an authorized officer, stating that the Bank is entitled to redeem such notes pursuant to their terms in whole only.

The Bank will give notice of intention to redeem such notes to holders of the notes not more than 45 nor less than 30 days prior to the date fixed for redemption specifying, among other things, the date fixed for redemption, and on or promptly after the redemption date, it will give notice of the redemption price.

Other than as described above, the notes are not redeemable prior to their maturity.

**HYPOTHETICAL PAYMENTS AT MATURITY ON THE NOTES**

The examples set out below are included for illustration purposes only. They should not be taken as an indication or prediction of future investment results and merely are intended to illustrate the impact that the various hypothetical reference asset levels on the valuation date could have on the payment at maturity assuming all other variables remain constant.

The examples below are based on a range of final levels that are entirely hypothetical; the level of the reference asset on any day throughout the life of the notes, including the final level on the valuation date, cannot be predicted. The reference asset has been highly volatile in the past, meaning that the level of the reference asset has changed considerably in relatively short periods, and its performance cannot be predicted for any future period.

The information in the following examples reflects hypothetical rates of return on the offered notes assuming that they are purchased on the original issue date at the principal amount and held to the maturity date. If you sell your notes in a secondary market prior to the maturity date, your return will depend upon the market value of your notes at the time of sale, which may be affected by a number of factors that are not reflected in the table below, such as interest rates, the volatility of the reference asset and our creditworthiness. In addition, the estimated value of your notes at the time the terms of your notes were set on the trade date (as determined by reference to pricing models used by us) is less than the original public offering price of your notes. For more information on the estimated value of your notes, see **Additional Risks**. The estimated value of your notes at the time the terms of your notes are set on the trade date is less than the original issue price of your notes on page P-16 of this pricing supplement. The information in the table and the examples also reflect the key terms and assumptions in the box below.

<b>Key Terms and Assumptions</b>	
Principal amount	\$1,000
Digital return	7.28%*
Buffer level	80.00% of the initial level
Buffer percentage	20.00%
Buffer rate	125.00%
*The bottom of the digital return range of 7.28% - 8.56%. The actual digital return will be determined on the trade date	
Neither a market disruption event nor a non-trading day occurs on the originally scheduled valuation date	
No change in or affecting any of the reference asset constituent stocks or the method by which the sponsor calculates the reference asset	

Notes purchased on the original issue date at the principal amount and held to the maturity date

Moreover, we have not yet set the initial level that will serve as the baseline for determining the percentage change and the amount that we will pay on your notes, if any, at maturity. We will not do so until the trade date. As a result, the actual initial level may differ substantially from the level of the reference asset prior to the trade date.

For these reasons, the actual performance of the reference asset over the life of your notes, as well as the amount payable at maturity, if any, may bear little relation to the hypothetical examples shown below or to the historical levels of the reference asset shown elsewhere in this pricing supplement. For information about the historical levels of the reference asset, see Information Regarding the Reference Asset Historical Information below. Before investing in the offered notes, you should consult publicly available information to determine the levels of the reference asset between the date of this pricing supplement and the date of your purchase of the offered notes.

Also, the hypothetical examples shown below do not take into account the effects of applicable taxes. Because of the U.S. tax treatment applicable to your notes, tax liabilities could affect the after-tax rate of return on your notes to a comparatively greater extent than the after-tax return on the reference asset constituent stocks.

The levels in the left column of the table below represent hypothetical final levels and are expressed as percentages of the initial level. The amounts in the right column represent the hypothetical payment at maturity, based on the corresponding

hypothetical final level, and are expressed as percentages of the principal amount of a note (rounded to the nearest one-thousandth of a percent). Thus, a hypothetical payment at maturity of 100.000% means that the value of the cash payment that we would deliver for each \$1,000 of the outstanding principal amount of the offered notes on the maturity date would equal 100.000% of the principal amount of a note, based on the corresponding hypothetical final level and the assumptions noted above.

Hypothetical Final Level	Hypothetical Payment at Maturity
(as Percentage of Initial Level)	(as Percentage of Principal Amount)
150.000%	107.280%
140.000%	107.280%
130.000%	107.280%
120.000%	107.280%
110.000%	107.280%
100.000%	107.280%
90.000%	107.280%
<b>80.000%</b>	<b>107.280%</b>
79.999%	99.999%
75.000%	93.750%
50.000%	62.500%
25.000%	31.250%
<b>0.000%</b>	<b>0.000%</b>

If, for example, the final level were determined to be 25.000% of the initial level, the payment at maturity that we would deliver on your notes at maturity would be 31.250% of the principal amount of your notes, as shown in the table above. As a result, if you purchased your notes on the issue date at the principal amount and held them to the maturity date, you would lose 68.750% of your investment (if you purchased your notes at a premium to the principal amount you would lose a correspondingly higher percentage of your investment). If the final level were determined to be 0.000% of the initial level, you would lose 100.000% of your investment in the notes. In addition, if the final level were determined to be 150.000% of the initial level, the return on your notes at maturity would be limited to the digital return, for a payment at maturity equal to 107.280% of each \$1,000 principal amount of your notes, as shown in the table above. As a result, if you held your notes to the maturity date, you would not benefit from any increase in the final level of greater than 80.000% of the initial level.



The following chart shows a graphical illustration of the hypothetical payment at maturity that we would pay on your notes on the maturity date, if the final level were any of the hypothetical levels shown on the **horizontal axis**. **The hypothetical payments at maturity in the chart are expressed as percentages of the principal amount of your notes and the hypothetical final levels are expressed as percentages of the initial level.** The chart shows that any hypothetical final level of less than **80.00%** (the section left of the 80.00% marker on the horizontal axis) would result in a hypothetical payment at maturity of less than **100.00%** of the principal amount of your notes (the section below the 100.00% marker on the vertical axis) and, accordingly, in a loss of principal to the holder of the notes. The chart also shows that any hypothetical final level of greater than or equal to **80.00%** (the section right of the 80.00% marker on the horizontal axis) would result in a capped return on your investment.



The following examples illustrate the calculation of the payment at maturity based on the key terms and assumptions above. The amounts below have been rounded for ease of analysis.

Example 1 Calculation of the payment at maturity where the percentage change is positive (and greater than the digital return).

Percentage Change: 10.00%

Payment at Maturity:  $\$1,000.00 + (\$1,000.00 \times 7.28\%) = \$1,000.00 + \$72.80 = \$1,072.80$

On a \$1,000.00 investment, a 10.00% percentage change results in a payment at maturity of \$1,072.80, a total return of 7.28%.

Example 2 Calculation of the payment at maturity where the percentage change is positive (and less than the digital return).

Percentage Change: 5.00%

Payment at Maturity:  $\$1,000.00 + (\$1,000.00 \times 7.28\%) = \$1,000.00 + \$72.80 = \$1,072.80$

On a \$1,000.00 investment, a 5.00% percentage change results in a payment at maturity of \$1,072.80, a total return of 7.28%.

Example 3 Calculation of the payment at maturity where the percentage change is negative but is equal to or greater than -20.00%.

Percentage Change: -5.00%

Payment at Maturity:  $\$1,000.00 + (\$1,000.00 \times 7.28\%) = \$1,000.00 + \$72.80 = \$1,072.80$

On a \$1,000.00 investment, a -5.00% percentage change results in a payment at maturity of \$1,072.80, a total return of 7.28%.

Example 4 Calculation of the payment at maturity where the percentage change is negative and is less than -20.00%.

Percentage Change: -50.00%

Payment at Maturity:  $\$1,000.00 + [\$1,000.00 \times 125.00\% \times (-50.00\% + 20.00\%)] = \$1,000.00 - \$375.00 = \$625.00$

On a \$1,000.00 investment, a -50.00% percentage change results in a payment at maturity of \$625.00, a loss of 37.50%.

**Accordingly, if the percentage change is less than the -20.00%, the Bank will pay you less than the full principal amount, resulting in a percentage loss on your investment that is equal to the buffer rate *multiplied* by the negative percentage change in excess of the buffer percentage. You may lose**

up to 100% of your principal amount.

***Any payment on the notes, including any repayment of principal, is subject to the creditworthiness of the Bank. If the Bank were to default on its payment obligations, you may not receive any amounts owed to you under the notes and you could lose your entire investment.***

The payments at maturity shown above are entirely hypothetical; they are based on levels of the reference asset that may not be achieved on the valuation date and on assumptions that may prove to be erroneous. The actual market value of your notes on the maturity date or at any other time, including any time you may wish to sell your notes, may bear little relation to the hypothetical payment at maturity shown above, and these amounts should not be viewed as an indication of the financial return on an investment in the offered notes. The hypothetical amounts on the notes held to the maturity date in the examples above assume you purchased your notes at their principal amount and have not been adjusted to reflect the actual public offering price you pay for your notes. The return on your investment (whether positive or negative) in your notes will be affected by the amount you pay for your notes. If you purchase your notes for a price other than the principal amount, the return on your investment will differ from, and may be significantly lower than, the hypothetical returns suggested by the above examples. Please read **Additional Risks**. The price at which the notes may be sold prior to maturity will depend on a number of factors and may be substantially less than the amount for which they were originally purchased beginning on page P-21 of this pricing supplement.

Payments on the notes are economically equivalent to the amounts that would be paid on a combination of other instruments. For example, payments on the notes are economically equivalent to a combination of a non-interest-bearing bond bought by the holder and one or more options entered into between the holder and us (with one or more implicit option premiums paid over time). The discussion in this paragraph does not modify or affect the terms of the notes or the U.S. federal income tax treatment of the notes, as described elsewhere in this pricing supplement.

*We cannot predict the actual final level or what the market value of your notes will be on any particular trading day, nor can we predict the relationship between the level of the reference asset and the market value of your notes at any time prior to the maturity date. The actual amount that you will receive, if any, at maturity and the rate of return on the offered notes will depend on the actual initial level and digital return, which we will set on the trade date, and the actual final level to be determined by the calculation agent as described above. Moreover, the assumptions on which the hypothetical returns are based may turn out to be inaccurate. Consequently, the amount of cash to be paid in respect of your notes, if any, on the maturity date may be very different from the information reflected in the table and chart above.*



## **ADDITIONAL RISKS**

An investment in the notes involves significant risks. In addition to the following risks included in this pricing supplement, we urge you to read **Additional Risk Factors Specific to the Notes** beginning on page PS-5 of the accompanying product prospectus supplement and **Risk Factors** beginning on page S-2 of the accompanying prospectus supplement and page 6 of the accompanying prospectus.

You should understand the risks of investing in the notes and should reach an investment decision only after careful consideration, with your advisors, of the suitability of the notes in light of your particular financial circumstances and the information set forth in this pricing supplement and the accompanying prospectus, accompanying prospectus supplement and accompanying product prospectus supplement.

### **The estimated value of your notes at the time the terms of your notes are set on the trade date is less than the original issue price of your notes**

The original issue price for your notes will exceed the estimated value of your notes at the time the terms of your notes are set on the trade date. This estimated value is set forth under **Additional Information Regarding Estimated Value of the Notes** on page P-2 of this pricing supplement. As discussed in such section, the pricing models that are used to determine the estimated value of your notes consider our credit spreads. After the trade date, the estimated value will be affected by changes in market conditions, our creditworthiness and other relevant factors as further described under **Additional Information Regarding Estimated Value of the Notes** on page P-2 of this pricing supplement.

### **The value of the notes shown in your GS&Co. account statements and the price at which GS&Co. would buy or sell your notes (if GS&Co. makes a market, which it is not obligated to do) will be based on the estimated value of your notes**

The price at which GS&Co. would initially buy or sell your notes (if GS&Co. makes a market, which it is not obligated to do), and the value that GS&Co. will initially use for account statements and otherwise, exceeds the estimated value of your notes as determined by reference to GS&Co.'s pricing models and taking into account the Bank's credit spreads. As agreed by GS&Co., the amount of this excess will decline on a straight line basis over the period from the date hereof through the applicable date set forth above under **Additional Information Regarding Estimated Value of the Notes** on page P-2 of this pricing supplement. Thereafter, if GS&Co. buys or sells your notes, it will do so at prices that reflect the estimated value at that time determined by reference to pricing models and taking into account variables similar to those used in determining the estimated value on the trade date. The price at which GS&Co. will buy or sell

your notes at any time also will reflect its then current bid and ask spread for similar sized trades of structured notes.

In estimating the value of your notes at the time the terms of your notes are set on the trade date, as disclosed under *Additional Information Regarding Estimated Value of the Notes* on page P-2 of this pricing supplement, the pricing models consider certain variables, including principally the Bank's credit spreads, interest rates (forecasted, current and historical rates), volatility, price-sensitivity analysis and the time to maturity of the notes. These pricing models rely in part on certain assumptions about future events, which may prove to be incorrect. As a result, the actual value you would receive if you sold your notes in the secondary market, if any, to others may differ, perhaps materially, from the estimated value of your notes determined by reference to GS&Co.'s models due to, among other things, any differences in pricing models or assumptions used by others.

In addition to the factors discussed above, the value and quoted price of your notes at any time will reflect many factors and cannot be predicted. If GS&Co. makes a market in the notes, the price quoted by GS&Co. would reflect any changes in market conditions and other relevant factors, including any deterioration in the Bank's creditworthiness or perceived creditworthiness. These changes may adversely affect the value of your notes, including the price you may receive for your notes in any market making transaction. To the extent that GS&Co. makes a market in the notes, the quoted price will reflect the estimated value determined at that time using pricing models and variables similar to those used in determining the estimated value on the trade date, plus or minus its then current bid and ask spread for similar sized trades of structured notes (and subject to the declining excess amount described above).

Furthermore, if you sell your notes, you will likely be charged a commission for secondary market transactions, or the price will likely reflect a dealer discount. This commission or discount will further reduce the proceeds you would receive for your notes in a secondary market sale.

There is no assurance that GS&Co. or any other party will be willing to purchase your notes at any price and, in this regard, GS&Co. is not obligated to make a market in the notes. See *The notes lack liquidity* below.



**The temporary price at which GS&Co. may initially buy the notes in the secondary market may not be indicative of future prices of your notes**

Assuming that all relevant factors remain constant after the trade date, the price at which GS&Co. may initially buy or sell the notes in the secondary market (if GS&Co. makes a market in the notes, which it is not obligated to do) may exceed our estimated value of the notes on the trade date, as well as the secondary market value of the notes, for a temporary period after the initial issue date of the notes. The price at which GS&Co. may initially buy or sell the notes in the secondary market may not be indicative of future prices of your notes.

**Risk of loss at maturity**

You may lose your entire investment in the notes. Any payment on the notes at maturity depends on the percentage change of the reference asset. The Bank will only repay you the full principal amount of your notes if the percentage change is equal to or greater than 20.00%. If the percentage change is less than 20.00%, you will have a loss for each \$1,000 principal amount of your notes equal to the *product* of the buffer rate *times* the *sum* of the percentage change *plus* the buffer percentage *times* \$1,000.

**Accordingly, you may lose your entire investment in the notes if the percentage decline from the initial level to the final level is greater than 20.00%.**

**The downside market exposure to the reference asset is buffered only at maturity**

You should be willing to hold your notes to maturity. If you are able to sell your notes prior to maturity in the secondary market, you may have to sell them at a loss relative to your initial investment even if the level of the reference asset at such time is equal to or greater than the buffer level.

**Your potential return on the notes is limited to the digital return**

The potential positive return is limited to the digital return regardless of the appreciation of the reference asset. Therefore, if the appreciation of the level of the reference asset exceeds the digital return, the notes will provide less opportunity to participate in the appreciation of the reference asset than an investment in a security that provided full exposure to increases in the level of the reference asset. Accordingly, the return on the notes may be less

than the return would be if you made an investment in a security directly linked to the positive performance of the reference asset.

**The notes differ from conventional debt instruments**

The notes are not conventional notes or debt instruments. The notes do not provide you with interest payments prior to maturity as a conventional fixed-rate or floating-rate debt security with the same maturity would. The return that you will receive on the notes, which could be negative, may be less than the return you could earn on other investments. Even if your return is positive, your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of the Bank.

**No interest**

The notes will not bear interest and, accordingly, you will not receive any interest payments on the notes.

**Your investment is subject to the credit risk of The Bank of Nova Scotia**

The notes are senior unsecured debt obligations of the Bank, and are not, either directly or indirectly, an obligation of any third party. As further described in the accompanying prospectus, accompanying prospectus supplement and accompanying product prospectus supplement, the notes will rank on par with all of the other unsecured and unsubordinated debt obligations of the Bank, except such obligations as may be preferred by operation of law. Any payment to be made on the notes, including the payment at maturity, depends on the ability of the Bank to satisfy its obligations as they come due. As a result, the actual and perceived creditworthiness of the Bank may affect the market value of the notes and, in the event the Bank were to default on its obligations, you may not receive the amounts owed to you under the terms of the notes. If you sell the notes prior to maturity, you may receive substantially less than the principal amount of your notes.

**There are potential conflicts of interest between you and the calculation agent**

Scotia Capital, Inc., the calculation agent, is one of our affiliates. In performing its duties, the economic interests of the calculation agent are potentially adverse to your interests as an investor in the notes. The calculation agent is under no obligation to consider your interests as a holder of the notes in taking any actions that might affect the level of the reference asset and the value of the notes.

**Investors should investigate the reference asset constituent stocks as if investing directly**

Investors should conduct their own diligence of the reference asset constituent stocks as an investor would if it were directly investing in the reference asset constituent stocks. Neither we nor any of our affiliates have participated in the preparation of any publicly available information or made any due diligence investigation or inquiry with respect to the reference asset or the reference asset constituent stocks. Furthermore, we cannot give any assurance that all events occurring prior to the original issue date have been properly disclosed with respect to the reference asset constituent stocks. Subsequent disclosure of any such events or the disclosure or failure to disclose material future events concerning the reference asset constituent stocks could affect any payment at maturity. Investors should not conclude that the sale by the Bank of the notes is any form of investment recommendation by the Bank or any of its affiliates to invest in the reference asset constituent stocks.

**The notes are subject to market risk**

The return on the notes is directly linked to the performance of the reference asset and indirectly linked to the performance of the reference asset constituent stocks, and the extent to which the percentage change is positive or negative. The levels of the reference asset can rise or fall sharply due to factors specific to the reference asset constituent stocks, as well as general market factors, such as general market volatility and levels, interest rates and economic and political conditions.

**The digital return applies only at maturity**

You should be willing to hold your notes to maturity. If you are able to sell your notes prior to maturity in the secondary market, the price you receive will likely not reflect the full economic value of the digital return or the notes themselves, and the return you realize may be less than the digital return multiplied by the principal amount even if such return is positive. You may receive the full benefit of the digital return only if you hold your notes to maturity.

**The payment at maturity is not linked to the level of the reference asset at any time other than the valuation date (except in the case of tax redemptions)**

The payment at maturity will be based on the final level. Therefore, for example, if the closing level of the reference asset declined substantially as of the valuation date compared to the trade date, the payment at maturity may be significantly less than it would otherwise have been had the payment at maturity been linked to the closing levels of the reference asset prior to the valuation date. Although the actual level of the reference asset at maturity or at other times during the term of the notes may be higher than

the final level, you will not benefit from the closing levels of the reference asset at any time other than the valuation date (except in the case of tax redemptions as described further on page P-10).

**If the levels of the reference asset or the reference asset constituent stocks change, the market value of your notes may not change in the same manner**

Your notes may trade quite differently from the performance of the reference asset or the reference asset constituent stocks. Changes in the levels of the reference asset or the reference asset constituent stocks may not result in a comparable change in the market value of your notes. We discuss some of the reasons for this disparity under [The price at which the notes may be sold prior to maturity will depend on a number of factors and may be substantially less than the amount for which they were originally purchased](#) below.

**Holding the notes is not the same as holding the reference asset constituent stocks**

Holding the notes is not the same as holding the reference asset constituent stocks. As a holder of the notes, you will not be entitled to the voting rights or rights to receive dividends or other distributions or other rights that holders of the reference asset constituent stocks would enjoy. Further, the return on your notes may not reflect the return you would realize if you actually owned the reference asset constituent stocks. For instance, your potential return is limited to the digital return and you will not participate in the appreciation of the reference asset constituent stocks.

**There is no assurance that the investment view implicit in the notes will be successful**

It is impossible to predict with certainty whether and the extent to which the level of the reference asset will rise or fall. There can be no assurance that the level of the reference asset will rise above the initial level or that the percentage decline from the initial level to the final level will not be greater than the buffer percentage. The final level may be influenced by complex and interrelated political, economic, financial and other factors that affect the level of the reference asset constituent stocks. You should be willing to accept the risks of the price performance of equity securities in general and the reference asset constituent stocks in particular, foreign exchange markets in general and the risk of losing some or all of your initial investment.

Furthermore, we cannot give you any assurance that the future performance of the reference asset or the reference asset constituent stocks will result in your receiving an amount greater than or equal to the principal amount of your notes. Certain periods of historical performance of the reference asset or the reference asset constituent stocks would have resulted in you receiving less than the principal amount of your notes if you had owned notes with terms similar to these notes in the past. See **Information Regarding The Reference Asset** in this pricing supplement for further information regarding the historical performance of the reference asset.

**There is no assurance as to the performance of the reference asset; past performance of the reference asset constituent stocks should not be taken as an indication of the future performance of the reference asset constituent stocks**

The notes are linked to the level of the reference asset, which is speculative and involves a high degree of risk. None of the Bank, the calculation agent or GS&Co., or any affiliate of the Bank, the calculation agent or GS&Co. gives any assurance as to the performance of the reference asset. Investors should not conclude that the sale by the Bank of the notes is an investment recommendation by it or by any of the other entities mentioned above to invest in securities linked to the performance of the reference asset. Investors should consult with their own financial advisors as to whether an investment in the notes is appropriate for them. Past performance of the reference asset constituent stocks comprising the reference asset should not be taken as a guarantee or assurance of the future performance of the reference asset constituent stocks comprising the reference asset, and it is impossible to predict whether the level of the reference asset will rise or fall during the term of the notes.

**The reference asset reflects price return only and not total return**

The return on your notes is based on the performance of the reference asset, which reflects the changes in the market prices of the reference asset constituent stocks. It is not, however, linked to a **total return** index or strategy, which, in addition to reflecting those price returns, would also reflect dividends or distributions paid on the reference asset constituent stocks. The return on your notes will not include such a total return feature or dividend or distribution component.

**We may sell an additional aggregate principal amount of the notes at a different issue price**

We may decide to sell an additional aggregate principal amount of the notes subsequent to the date of this pricing supplement. The issue price of the notes in the subsequent sale may differ substantially (higher or lower) from the original issue price you paid as provided on the cover of this pricing supplement.

**Changes affecting the reference asset could have an adverse effect on the value of the notes**

The policies of STOXX Limited, the sponsor of the reference asset (the sponsor), concerning additions, deletions and substitutions of the reference asset constituent stocks and the manner in which the sponsor takes account of certain changes affecting those reference asset constituent stocks may adversely affect the level of the reference asset. The policies of the sponsor with respect to the calculation of the reference asset could also adversely affect the level of the reference asset. The sponsor may discontinue or suspend calculation or dissemination of the reference asset. Any such actions could have a material adverse effect on the value of the notes.

**The Bank cannot control actions by the sponsor and the sponsor has no obligation to consider your interests**

The Bank and its affiliates are not affiliated with the sponsor and have no ability to control or predict its actions, including any errors in or discontinuation of public disclosure regarding methods or policies relating to the calculation of the reference asset. The sponsor is not involved in the notes offering in any way and has no obligation to consider your interest as an owner of the notes in taking any actions that might negatively affect the market value of your notes.

**The notes are subject to non-U.S. securities market risk**

The reference asset constituent stocks that comprise the EURO STOXX 50® Index are issued by non-U.S. companies in non-U.S. securities markets. An investment in securities linked directly or indirectly to the value of securities issued by non-U.S. companies involves particular risks. Generally, non-U.S. securities markets may be more volatile than U.S. securities markets, and market developments may affect non-U.S. markets differently from U.S. securities markets. Direct or indirect government intervention to stabilize these non-U.S. markets, as well as cross shareholdings in non-U.S. companies, may affect trading prices and volumes in those markets. There is generally less publicly available information about non-U.S. companies than about those U.S. companies that are subject to the reporting requirements of the SEC, and non-U.S. companies are subject to accounting, auditing and financial reporting standards and requirements that differ from those applicable to U.S. reporting

companies. Securities prices in non-U.S. countries are subject to political, economic, financial and social factors that may be unique to the particular country. These factors, which could negatively affect the non-U.S. securities markets, include the possibility of recent or future changes in the non-U.S. government's economic and fiscal policies, the possible imposition of, or changes in, currency exchange laws or other non-U.S. laws or restrictions applicable to non-U.S. companies or investments in non-U.S. equity securities. Moreover, certain aspects of a particular non-U.S. economy may differ favorably or unfavorably from the U.S. economy in important respects, such as growth of gross national product, rate of inflation, capital reinvestment, resources and self-sufficiency. Finally, it will likely be more costly and difficult to enforce the laws or regulations of a non-U.S. country or exchange. All of these factors could have a material adverse effect on the value of the notes.

**The percentage change will not be adjusted for changes in exchange rates related to the U.S. dollar, which might affect the reference asset.**

Although the reference asset constituent stocks are traded in currencies other than the U.S. dollar, the notes are denominated in U.S. dollars, and the calculation of the amount payable on the notes at maturity will not be adjusted for changes in the exchange rates between the U.S. dollar and any of the currencies in which such component stocks are denominated. Changes in exchange rates, however, may reflect changes in various non-U.S. economies that in turn may affect the level of the reference asset or the percentage change, as applicable, and therefore, the amount payable on your notes. The amount we pay in respect of the notes on the maturity date will be determined solely in accordance with the procedures described herein and in General Terms of the Notes beginning on page PS-14 in the accompanying product prospectus supplement.

**The Eurozone financial crisis could negatively impact investors in the notes.**

A number of countries in the eurozone are undergoing a financial crisis affecting their economies, their ability to meet their sovereign financial obligations, and their financial institutions. Countries in the eurozone that are not currently experiencing a financial crisis may do so in the future as a result of developments in other eurozone countries. The economic, political, legal and regulatory ramifications of this financial crisis, including any legal or regulatory changes made in response to the crisis, are impossible to predict. If these events were to happen, the closing level of the reference asset, and the value of the notes, could be adversely affected.

**The U.K.'s referendum to leave the European Union may adversely affect the performance of the Reference Asset.**

The issuers of the reference asset constituent stocks are eurozone member companies. The U.K.'s referendum on June 23, 2016 to leave the European Union, which we refer to as Brexit, has and may continue to cause disruptions to capital and currency markets worldwide and to the market tracked by the reference asset in particular. The full impact of the Brexit decision, however, remains

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uncertain. A process of negotiation, which is likely to take a number of years, will determine the future terms of the U.K. s relationship with the European Union. The performance of the reference asset may be negatively affected by interest rate, exchange rate and other market and economic volatility, as well as regulatory and political uncertainty.

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**If you purchase your notes at a premium to the principal amount, the return on your investment will be lower than the return on notes purchased at the principal amount and the impact of certain key terms of the notes will be negatively affected**

The payment at maturity will not be adjusted based on the public offering price you pay for the notes. If you purchase notes at a price that differs from the principal amount of the notes, then the return on your investment in such notes held to the maturity date will differ from, and may be substantially less than, the return on notes purchased at the principal amount. If you purchase your notes at a premium to the principal amount and hold them to the maturity date, the return on your investment in the notes will be lower than it would have been had you purchased the notes at the principal amount or a discount to the principal amount. In addition, the impact of the digital return and the buffer level on the return on your investment will depend upon the price you pay for your notes relative to the principal amount. For example, if you purchase your notes at a premium to the principal amount, the digital return will only permit a lower positive return in your investment in the notes than would have been the case for notes purchased at the principal amount or a discount to the principal amount. Similarly, if the final level is less than the buffer level, you will incur a greater percentage decrease in your investment in the notes than would have been the case for notes purchased at principal amount or a discount to principal amount.

**The price at which the notes may be sold prior to maturity will depend on a number of factors and may be substantially less than the amount for which they were originally purchased**

The price at which the notes may be sold prior to maturity will depend on a number of factors. Some of these factors include, but are not limited to: (i) actual or anticipated changes in the level of the reference asset over the full term of the notes, (ii) volatility of the level of the reference asset and the market's perception of future volatility of the level of the reference asset, (iii) changes in interest rates generally, (iv) any actual or anticipated changes in our credit ratings or credit spreads and (v) time remaining to maturity. In particular, because the provisions of the notes relating to the payment at maturity and the digital return behave like options, the value of the notes will vary in ways which are non-linear and may not be intuitive.

Depending on the actual or anticipated level of the reference asset and other relevant factors, the market value of the notes may decrease and you may receive substantially less than 100% of the issue price if you sell your notes prior to maturity.

See [Additional Risk Factors Specific to the Notes](#) [The Market Value of Your Notes May Be Influenced by Many Unpredictable Factors](#) beginning on page PS-6 of the accompanying product prospectus supplement.

**The notes lack liquidity**

The notes will not be listed on any securities exchange or automated quotation system. Therefore, there may be little or no secondary market for the notes. Scotia Capital (USA) Inc., any other affiliates of the Bank and GS&Co. may, but are not obligated to, make a market in the notes. Even if there is a secondary market, it may not provide enough liquidity to allow you to trade or sell the notes easily. Because we do not expect that other broker-dealers will participate significantly in the secondary market for the notes, the price at which you may be able to trade your notes is likely to depend on the price, if any, at which Scotia Capital (USA) Inc. and GS&Co. are willing to purchase the notes from you. If at any time Scotia Capital (USA) Inc. and GS&Co. were not to make a market in the notes, it is likely that there would be no secondary market for the notes. Accordingly, you should be willing to hold your notes to maturity.

**Hedging activities by the Bank and GS&Co. may negatively impact investors in the notes and cause our respective interests and those of our clients and counterparties to be contrary to those of investors in the notes**

The Bank, GS&Co. or one or more of their respective affiliates has hedged or expects to hedge the obligations under the notes by purchasing futures and/or other instruments linked to the reference asset. The Bank, GS&Co. or one or more of their respective affiliates also expects to adjust the hedge by, among other things, purchasing or selling any of the foregoing, and perhaps other instruments linked to the reference asset and/or one or more of the reference asset constituent stocks, at any time and from time to time, and to unwind the hedge by selling any of the foregoing on or before the valuation date.

The Bank, GS&Co. or one or more of their respective affiliates may also enter into, adjust and unwind hedging transactions relating to other basket- or index-linked notes whose returns are linked to changes in the level or price of the reference asset or the reference asset constituent stocks. Any of these hedging activities may adversely affect the level of the reference asset directly or indirectly by affecting the price of the reference asset constituent stocks and therefore the market value of the notes and the amount you will receive, if any, on the notes. Because the dealer from which you purchase notes is to conduct hedging activities for us in connection with the notes, that dealer may profit in connection with such hedging activities and such profit, if any, will be in addition to the compensation that the dealer receives for the sale of the notes to you. You should be aware that the potential to earn fees in connection with hedging activities may create a further incentive for the dealer to sell the notes to you in addition to the compensation they would receive for the sale of the notes. In addition, you

should expect that these transactions will cause the Bank, GS&Co. or their respective affiliates, or our respective clients or counterparties, to have economic interests and incentives that do not align with, and that may be directly contrary to, those of an investor in the notes. The Bank, GS&Co. or their respective affiliates will have no obligation to take, refrain from taking or cease taking any action with respect to these transactions based on the potential effect on an investor in the notes, and may receive substantial returns with respect to these hedging activities while the value of the notes may decline.

**The Bank, Scotia Capital (USA) Inc., GS&Co. and their respective affiliates regularly provide services to, or otherwise have business relationships with, a broad client base, which has included and may include us and the issuers of the reference asset constituent stocks and the market activities by the Bank, GS&Co. or their respective affiliates for our own account or for our clients could negatively impact investors in the notes**

We, GS&Co. and our respective affiliates regularly provide a wide range of financial services, including financial advisory, investment advisory and transactional services to a substantial and diversified client base. As such, we each may act as an investor, investment banker, research provider, investment manager, investment advisor, market maker, trader, prime broker or lender. In those and other capacities, we, GS&Co. and/or our respective affiliates purchase, sell or hold a broad array of investments, actively trade securities (including the notes or other securities that we have issued), the reference asset constituent stocks, derivatives, loans, credit default swaps, indices, baskets and other financial instruments and products for our own accounts or for the accounts of our customers, and we will have other direct or indirect interests, in those securities and in other markets that may be not be consistent with your interests and may adversely affect the level of the reference asset and/or the value of the notes. You should assume that we or they will, at present or in the future, provide such services or otherwise engage in transactions with, among others, us and the issuers of the reference asset constituent stocks, or transact in securities or instruments or with parties that are directly or indirectly related to these entities. These services could include making loans to or equity investments in those companies, providing financial advisory or other investment banking services, or issuing research reports. Any of these financial market activities may, individually or in the aggregate, have an adverse effect on the level of the reference asset and the market for your notes, and you should expect that our interests and those GS&Co. and/or our respective affiliates, clients or counterparties, will at times be adverse to those of investors in the notes.

You should expect that we, GS&Co., and our respective affiliates, in providing these services, engaging in such transactions, or acting for our own accounts, may take actions that have direct or indirect effects on the notes or other securities that we may issue, the reference asset constituent stocks or other securities or instruments similar to or linked to the foregoing, and that such actions could be adverse to the interests of investors in the notes. In addition, in connection with these activities, certain personnel within us, GS&Co. or our respective affiliates may have access to confidential material non-public information about these parties that would not be disclosed to investors in the notes.

We, GS&Co. and our respective affiliates regularly offer a wide array of securities, financial instruments and other products into the marketplace, including existing or new products that are similar to the notes or other securities that we may issue, the reference asset constituent stocks or other securities or instruments similar to or linked to the foregoing. Investors in the notes should expect that the Bank, GS&Co. and our respective affiliates offer securities, financial instruments, and other products that may compete with the notes for liquidity or otherwise.

**Other investors in the notes may not have the same interests as you**

The interests of other investors may, in some circumstances, be adverse to your interests. Other investors may make requests or recommendations to us or GS&Co. regarding the establishment of transactions on terms that are adverse to your interests, and investors in the notes are not required to take into account the interests of any other investor in exercising remedies, voting or other rights in their capacity as noteholders. Further, other investors may enter into market transactions with respect to the notes, assets that are the same or similar to the notes, assets referenced by the notes (such as stocks or stock indices) or other similar assets or securities which may adversely impact the market for or value of your notes. For example, an investor could take a short position (directly or indirectly through derivative transactions) in respect of securities similar to your notes or in respect of the reference asset.

**The calculation agent can postpone the valuation date for the notes if a market disruption event with respect to the reference asset occurs**

If the calculation agent determines, in its sole discretion, that, on a day that would otherwise be the valuation date, a market disruption event with respect to the reference asset has occurred or is continuing for the reference asset, the valuation date will be postponed until the first following trading day on which no market disruption event occurs or is continuing, although the

valuation date will not be postponed by more than seven scheduled trading days. Moreover, if the valuation date is postponed to the last possible day, but a market disruption event occurs or is continuing on that day, that day will nevertheless be the valuation date, and the calculation agent will determine the applicable final level that must be used to determine the payment at maturity. Under certain circumstances, the determinations of the calculation agent will be confirmed by an independent expert. See General Terms of the Notes Unavailability of the Level of the Reference Asset on a Valuation Date beginning on page PS-18 and General Terms of the Notes Market Disruption Events beginning on page PS-19 and Appointment of Independent Calculation Experts on page PS-22, in the accompanying product prospectus supplement.

**There is no affiliation between any constituent stock issuers or the reference asset sponsor and us or GS&Co.**

The Bank, Scotia Capital (USA) Inc., GS&Co. and their respective affiliates may currently, or from time to time in the future, engage in business with the issuers of the reference asset constituent stocks. Neither we nor any of our affiliates have participated in the preparation of any publicly available information or made any due diligence investigation or inquiry with respect to the reference asset or the reference asset constituent stocks. Before investing in the notes you should make your own investigation into the reference asset and the issuers of the reference asset constituent stocks. See the section below entitled Information Regarding the Reference Asset in this pricing supplement for additional information about the reference asset.

#### **Uncertain tax treatment**

Significant aspects of the tax treatment of the notes are uncertain. You should consult your tax advisor about your own tax situation. See Certain Canadian Income Tax Consequences and Certain U.S. Federal Income Tax Considerations in this pricing supplement.

## **INFORMATION REGARDING THE REFERENCE ASSET**

### **EURO STOXX 50® Index**

The following is a summary description of the EURO STOXX 50® Index (referred to in this section as the Index ) based on information obtained from the website of the sponsor, STOXX Limited at [www.stoxx.com](http://www.stoxx.com). All information regarding the Index contained herein, including its make-up, method of calculation and changes in its components, has been derived from publicly available sources. That information reflects the policies of, and is subject to change by, the sponsor. The website of the Index sponsor and information from outside sources is not incorporated by reference in, and should not be considered part of, this pricing supplement, the accompanying prospectus, the prospectus supplement, or product prospectus supplement.

#### **General Description**

The Index is a capitalization-weighted index of 50 stocks (referred to in this section as the Index Constituent Stocks ) from 12 Eurozone countries: Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal and Spain. The eligible universe of constituent companies of the Index captures approximately 60% of the free float market capitalization of the EURO STOXX® Total Market Index. The eligible universe of constituent companies for the EURO STOXX® Total Market Index covers approximately 95% of the free float market capitalization of the represented countries.

The Index is weighted by free float market capitalization, subject to a 10% cap. Share prices are taken from each of the Exchanges on which the component shares are traded and the Index is currently updated every fifteen seconds, from 9:00 a.m. to 6:00 p.m. (Central European time), in order to provide accurate information on a continuous real time basis. The level of the Index appears, inter alia, on Bloomberg Ticker SX5E . Additional information on the Index is available on the following website: <http://www.stoxx.com/index.html>.

#### **Composition**

The following table sets forth the top ten industry sectors that comprise the Index by weight as of June 30, 2016. The historical composition of the Index does not necessarily reflect the composition of the Index in the future.

<b><u>Sector</u></b>	<b><u>Weight (%)</u></b>
Banks	12.6%
Industrial Goods & Services	10.7%
Chemicals	9.0%
Personal & Household Goods	7.7%
Oil & Gas	7.7%
Health Care	7.4%
Insurance	7.1%
Food & Beverage	6.8%
Technology	6.8%
Telecommunications	6.1%

The following table sets forth the top ten companies that comprise the Index by weight as at June 30, 2016.

<b><u>Company</u></b>	<b><u>Weight (%)</u></b>
TOTAL SA	5.70%
Anheuser-Busch InBev SA/NV	4.78%
Sanofi	4.65%
Bayer AG	3.95%
Siemens AG	3.90%
SAP SE	3.51%
Unilever NV	3.47%
BASF SE	3.34%
Allianz SE	3.10%
Daimler AG	2.83%

### *Component Selection*

The composition of the Index is reviewed by the sponsor annually in September. Within each of the 19 EURO STOXX Supersector indices, the respective Index Constituent Stocks are ranked by 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 EURO STOXX Total Market Index 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 remaining stocks that are current Index components are then added to the selection list. The stocks on the selection list are then ranked by free float market capitalization. The 40 largest stocks on the selection list are chosen as index components. The remaining 10 stocks are then selected from the largest current stocks ranked between 41 and 60. If the number of index components is still below 50, then the largest remaining stocks on the selection list are added until the Index contains 50 stocks. In exceptional cases, the STOXX Limited Management Board may make additions and deletions to the selection list.

### *Ongoing Maintenance of Index Constituent Stocks*

The Index Constituent Stocks are monitored on an ongoing monthly basis for deletion and quarterly basis for addition. Changes to the composition of the Index due to corporate actions (including mergers and takeovers, spin offs, sector changes and bankruptcy) are announced immediately, implemented two trading days later and become effective on the next trading day after implementation.

The Index Constituent Stocks are subject to a fast exit rule. An Index Constituent Stock is deleted if it ranks 75 or below on the monthly selection list and it ranked 75 or below on the selection list of the previous month. The highest-ranked non-component stock will replace the exiting Index Constituent Stock. The Index 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 it qualifies for the latest blue-chip selection list generated at the end of February, May, August or November and if it ranks within the lower buffer (between 1 and 25) on the selection list. If added, the stock replaces the smallest Index Constituent Stock.

A deleted stock is replaced immediately to maintain the fixed number of stocks. The replacement is based on the latest monthly selection list. In the case of a merger or takeover where a Index Constituent Stock is involved, the original Index Constituent Stock is replaced by the new Index Constituent Stock. In the case of a spin-off, if the original stock was an Index Constituent Stock, then each spin-off stock qualifies for addition if it lies within the lower buffer (between 1 and 40) on the latest selection list. The largest qualifying spin-off stock replaces the original Index Constituent Stock, while the next qualifying spin-off stock replaces the lowest ranked Index Constituent Stock and likewise for other qualifying spin-off stocks.



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The free float factors and outstanding number of shares for each Index Constituent Stock that the sponsor uses to calculate the Index, as described below, are reviewed, calculated and implemented on a quarterly basis and are fixed until the next quarterly review. Certain extraordinary adjustments to the free float factors and/or the number of outstanding shares are implemented and made effective more quickly. The timing depends on the magnitude of the change. Each component's weight is capped at 10% of the Index's total free float market capitalization. The free float factor reduces the Index Constituent Stock's number of shares to the actual amount available on the market. All holdings that are larger than five percent of the total outstanding number of shares and held on a long-term basis are excluded from the index calculation (including, but not limited to, stock owned by the company itself, stock owned by governments, stock owned by certain individuals or families, and restricted shares).

### *Index Calculation*

The sponsor calculates the Index using the Laspeyres formula, which measures the aggregate price changes in the Index Constituent Stocks against a fixed base quantity weight. The discussion below describes the price return calculation of the Index. The formula for calculating the Index value can be expressed as follows:

$$\text{Index} = \frac{\text{Free Float Market Capitalization of the Index}}{\text{Divisor}}$$

The free float market capitalization of the Index is equal to the sum of the product of the price, the number of shares, the free float factor and the weighting cap factor for each Index Constituent Stock as of the time the Index is being calculated. The Index Constituent Stocks trade in Euros and thus, no currency conversion is required. Where any Index Constituent Stock price is unavailable on any trading day, the basket component sponsor will generally use the last reported price for such Index Constituent Stock.

In case the investability and tradability of the Index and index based products is affected by an upcoming market or company event that is considered significant or extreme by the STOXX Management Board, the following actions or a combination of the following actions are taken. For all such changes a minimum notification period of two full trading days will be observed. The action scope may include but is not limited to:

- application of expert judgment for index component pricing data,
- adjustment of operational procedures,
- postponement of index adjustments,
- adjustment of selection lists,
- change of weights of index constituents by adjusting number of shares, free-float factors or weighting cap-factors, or
- adjustment of index compositions.

*EURO STOXX 50 Divisor*

The Index is calculated using a divisor that helps to maintain the continuity of the index's value so that corporate actions do not artificially increase or decrease the level of the Index.

The divisor is calculated by starting with the previous divisor in effect for the Index (which we call the original divisor value) and multiplying it by a fraction, the numerator of which is the previous free float market capitalization of the Index, plus or minus the

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difference between the closing market capitalization of the Index and the adjusted closing market capitalization of the Index, and the denominator of which is the previous free float market capitalization of the Index. The adjusted free float market capitalization is calculated for stocks of companies that have experienced a corporate action of the type described below as of the time the new divisor value is being calculated using the free float market capitalization calculated with adjusted closing prices, the new number of shares, and the new free float factor minus the free float market capitalization calculated with that stock's original closing price, number of shares, and free float factor, in each case as used in calculating the original divisor value. Errors in divisor calculation are corrected on an intraday basis if discovered on the same day the new divisor is effective. If the error is discovered later, the error is corrected on an intraday basis if feasible and only if the error is considered significant by the STOXX Limited Management Board.

### *Divisor Adjustments*

The sponsor adjusts the divisor for the Index to maintain the continuity of the Index values across changes due to corporate actions. Changes in weights due to corporate actions are distributed proportionally across all index components and equal an investment into the portfolio. The following is a summary of the adjustments to any Index Constituent Stock made for corporate actions and the effect of such adjustments on the divisor, where shareholders of the Index Constituent Stock will receive  $B$  new shares for every  $A$  share held (where applicable) and assuming that the version of the index to which your notes are linked is the price return version. All adjusted prices consider withholding taxes based on the new shares being distributed, using  $B * (1 - \text{withholding tax where applicable})$ .

#### *(1) Special cash dividend:*

Adjusted price = closing price - dividend announced by the company \* (1 - withholding tax if applicable)

Divisor: decreases

#### *(2) Split and reverse split:*

Adjusted price = closing price \*  $A / B$

New number of shares = old number of shares \*  $B / A$

Divisor: no change

#### *(3) Rights offering:*



Adjusted price = (closing price \* A + subscription price \* B) / (A + B)

New number of shares = old number of shares \* (A + B) / A

Divisor: increases

If the subscription price is not available or if the subscription price is equal to or greater than the closing price on the day before the effective date, then no adjustment is made.

Extremely dilutive rights issues having a share ratio larger or equal to 2000% ( $B/A \geq 20$ ) are treated as follows:

The sponsor will announce the deletion of the company from all indices following the standard rules for index replacements if sufficient notice of two trading days before the ex-date can be given.

The company may enter the indices again at the next periodic index review, but only after the new rights issue shares have been listed.

Extremely dilutive rights issues for which two trading days notice before the ex-date cannot be given, and all highly dilutive rights issues having a share ratio larger or equal to 200% ( $B/A > 2$ ) are treated as follows:

- The rights issue shares are included into the indices with a theoretical price on the ex-date;
- The rights issue shares must be listed on an eligible stock exchange and tradable starting on the ex-date, otherwise, only a price adjustment is made and the rights are not included;

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- The rights issue shares will have the same parameters as the parent company;
- The rights issue shares will be removed after their first trading day at the close; and
- The number of shares and weighting factors will be increased after the new rights issue shares have been listed.

(4) *Stock dividend:*

Adjusted price = closing price \* A / (A + B)

New number of shares = old number of shares \* (A + B) / A

Divisor: no change

(5) *Stock dividend from treasury stock if treated as extraordinary dividend:*

Adjusted close = close - close \* B / (A + B) Divisor: decreases

(6) *Stock dividend of another company:*

Adjusted price = (closing price \* A + price of other company \* B) / A

Divisor: decreases

(7) *Return of capital and share consolidation:*

Adjusted price = [closing price - capital return announced by company \* (1 - withholding tax)] \* A / B  
New number of shares = old number of shares \* B / A

Divisor: decreases

(8) *Repurchase of shares / self-tender:*

Adjusted price = [(price before tender \* old number of shares) - (tender price \* number of tendered shares)] / (old number of shares - number of tendered shares)

New number of shares = old number of shares - number of tendered shares

Divisor: decreases

(9) *Spin-off:*

Adjusted price = (closing price \* A - price of spin off shares \* B) / A

Divisor: decreases

(10) *Combination stock distribution (dividend or split) and rights offering:*

For this corporate action, the following additional assumptions apply:

Shareholders receive B new shares from the distribution and C new shares from the rights offering for every A

share held; and if A is not equal to one, all the following new number of shares formulae need to be divided by A.

If rights are applicable after stock distribution (one action applicable to another):

Adjusted price = [closing price \* A + subscription price \* C \* (1 + B / A)] / [(A + B) \* (1 + C / A)]

New number of shares = old number of shares \* [(A + B) \* (1 + C / A)] / A

Divisor: increases

If stock distribution is applicable after rights (one action applicable to another):



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Adjusted price = (closing price \* A + subscription price \* C) / [(A + C) \* (1 + B / A)]

New number of shares = old number of shares \* [(A + C) \* (1 + B / A)]

Divisor: increases

Stock distribution and rights (neither action is applicable to the other):

Adjusted price = (closing price \* A + subscription price \* C) / (A + B + C)

New number of shares = old number of shares \* (A + B + C) / A

Divisor: increases

### (11) *Addition/deletion of a company*

No price adjustments are made. The net change in market capitalization determines the divisor adjustment.

### (12) *Free float and shares changes*

No price adjustments are made. The change in market capitalization determines the divisor adjustment.

The Index is the intellectual property of the sponsor, Zurich, Switzerland and/or its licensors ( Licensors ), which is used under license. The securities or other financial instruments based on the Index are in no way sponsored, endorsed, sold or promoted by the sponsor and its Licensors and neither the sponsor nor its Licensors shall have any liability with respect thereto.

### **License Agreement between the sponsor and the Bank**

The sponsor and its licensors (the Licensors ) have no relationship to the Bank, other than the licensing of the Index and the related trademarks for use in connection with the notes.

The sponsor and the Licensors do not:

- sponsor, endorse, sell or promote the notes;
- recommend that any person invest in the notes or any other securities;
- have any responsibility or liability for or make any decisions about the timing, amount or pricing of the notes;
- have any responsibility or liability for the administration, management or marketing of the notes;

- consider the needs of the notes or the owners of the notes in determining, composing or calculating the Index or have any obligation to do so.

The sponsor and the Licensors will not have any liability in connection with the notes. Specifically:

- The sponsor and the Licensors do not make any warranty, express or implied and disclaim any and all warranty about:
  - the results to be obtained by the notes, the owner of the notes or any other person in connection with the use of the Index and the data included in the Index;
  - the accuracy or completeness of the Index and its data;
  - the merchantability and the fitness for a particular purpose or use of the Index and its data;
- The sponsor and the Licensors will have no liability for any errors, omissions or interruptions in the Index or its data;
- under no circumstances will the sponsor or the Licensors be liable for any lost profits or indirect, punitive, special or consequential damages or losses, even if the sponsor or its Licensors knows that they might occur.

The licensing agreement between the Bank and the sponsor is solely for their benefit and not for the benefit of the owners of the notes or any other third parties.

**Historical Information**

The following table sets forth the quarterly high and low closing levels for the reference asset, based on daily closing levels. The closing level of the reference asset on July 21, 2016 was 2,968.490. ***Past performance of the reference asset is not indicative of the future performance of the reference asset.***

<b>Quarter Begin</b>	<b>Quarter End</b>	<b>Quarterly High</b>	<b>Quarterly Low</b>	<b>Quarterly Close</b>
1/3/2011	3/31/2011	3,068.000	2,721.240	2,910.910
4/1/2011	6/30/2011	3,011.250	2,715.880	2,848.530
7/1/2011	9/30/2011	2,875.670	1,995.010	2,179.660
10/3/2011	12/30/2011	2,476.920	2,090.250	2,316.550
1/3/2012	3/30/2012	2,608.420	2,286.450	2,477.280
4/2/2012	6/29/2012	2,501.180	2,068.660	2,264.720
7/2/2012	9/28/2012	2,594.560	2,151.540	2,454.260
10/1/2012	12/31/2012	2,659.950	2,427.320	2,635.930
1/2/2013	3/28/2013	2,749.270	2,570.520	2,624.020
4/1/2013	6/28/2013	2,835.870	2,511.830	2,602.590
7/1/2013	9/30/2013	2,936.200	2,570.760	2,893.150
10/1/2013	12/31/2013	3,111.370	2,902.120	3,109.000
1/2/2014	3/31/2014	3,172.430	2,962.490	3,161.600
4/1/2014	6/30/2014	3,314.800	3,091.520	3,228.240
7/1/2014	9/30/2014	3,289.750	3,006.830	3,225.930
10/1/2014	12/31/2014	3,277.380	2,874.650	3,146.430
1/2/2015	3/31/2015	3,731.350	3,007.910	3,697.380
4/1/2015	6/30/2015	3,828.780	3,424.300	3,424.300
7/1/2015	9/30/2015	3,686.580	3,019.340	3,100.670
10/1/2015	12/31/2015	3,506.450	3,069.050	3,267.520
1/4/2016	3/31/2016	3,178.010	2,680.350	3,004.930
4/1/2016	6/30/2016	3,151.690	2,697.440	2,864.740
7/1/2016*	7/21/2016*	2,968.490	2,761.370	2,968.490

\* As of July 22, 2016, available information for the second calendar quarter of 2016 includes data for the period from July 1, 2016 through July 21, 2016. Accordingly, the Quarterly High, Quarterly Low and Quarterly Close data indicated are for this shortened period only and do not reflect complete data for the second calendar quarter of 2016.

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The graph below illustrates the performance of the reference asset from January 2, 2006 through July 21, 2016. ***Past performance of the reference asset is not indicative of the future performance of the reference asset.***

We obtained the information regarding the historical performance of the reference asset in the tables and graph above from Bloomberg.

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We have not undertaken an independent review or due diligence of the information. The historical performance of the reference asset should not be taken as an indication of its future performance, and no assurance can be given as to the final level of the reference asset. We cannot give you assurance that the performance of the reference asset will result in any positive return on your initial investment.

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## **SUPPLEMENTAL PLAN OF DISTRIBUTION (CONFLICTS OF INTEREST)**

Scotia Capital (USA) Inc. or one of our affiliates will purchase the notes at the principal amount and, as part of the distribution of the notes, will sell the notes to GS&Co. at a discount reflecting commissions of \$[1] per \$1,000 principal amount of notes. The commissions per \$1,000 principal amount are comprised of \$[1] of fees and \$[1] of selling commission, to be set on the trade date. In accordance with the terms of a distributor accession letter, GS&Co. has been appointed as a distribution agent under the distribution agreement and may purchase notes from the Bank or its affiliates.

In addition, Scotia Capital (USA) Inc., GS&Co. and their respective affiliates or agents may use the product prospectus supplement to which this pricing supplement relates in market-making transactions after the initial sale of the notes. While Scotia Capital (USA) Inc. and GS&Co. may make markets in the notes, they are under no obligation to do so and may discontinue any market-making activities at any time without notice. See the sections titled Supplemental Plan of Distribution in the accompanying prospectus supplement and accompanying product prospectus supplement.

The price at which you purchase the notes includes costs that the Bank, GS&Co. or their respective affiliates expect to incur and profits that the Bank, GS&Co. or their respective affiliates expect to realize in connection with hedging activities related to the notes, as set forth above. These costs and profits will likely reduce the secondary market price, if any secondary market develops, for the notes. As a result, you may experience an immediate and substantial decline in the market value of your notes on the issue date.

### **Conflicts of interest**

Each of Scotia Capital (USA) Inc. and Scotia Capital Inc. is an affiliate of the Bank and, as such, has a conflict of interest in this offering within the meaning of FINRA Rule 5121. In addition, the Bank will receive the gross proceeds from the initial public offering of the notes, thus creating an additional conflict of interest within the meaning of Rule 5121. Consequently, the offering is being conducted in compliance with the provisions of Rule 5121. Neither Scotia Capital (USA) Inc. nor Scotia Capital Inc. is permitted to sell notes in this offering to an account over which it exercises discretionary authority without the prior specific written approval of the account holder.

Scotia Capital (USA) Inc., GS&Co., and their respective affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. Scotia Capital (USA) Inc., GS&Co., and their



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respective affiliates have, from time to time, performed, and may in the future perform, various financial advisory and investment banking services for the Bank, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, Scotia Capital (USA) Inc., GS&Co., and their respective affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers, and such investment and securities activities may involve securities and/or instruments of the Bank. Scotia Capital (USA) Inc., GS&Co., and their respective affiliates may also make investment recommendations and/or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

Additionally, because the dealer from which you purchase the notes is to conduct hedging activities for us in connection with the notes, that dealer may profit in connection with such hedging activities and such profit, if any, will be in addition to the compensation that the dealer receives for the sale of the notes to you. You should be aware that the potential to earn fees in connection with hedging activities may create a further incentive for the dealer to sell the notes to you in addition to the compensation they would receive for the sale of the notes.

## **CERTAIN CANADIAN INCOME TAX CONSEQUENCES**

See Certain Income Tax Consequences Certain Canadian Income Tax Considerations at page S-24 of the Prospectus Supplement dated December 1, 2014.

## **CERTAIN U.S. FEDERAL INCOME TAX CONSIDERATIONS**

The following is a general description of certain U.S. federal tax considerations relating to the notes. Prospective purchasers of the notes should consult their tax advisors as to the consequences under the tax laws of the country of which they are resident for tax purposes and the tax laws of the United States of acquiring, holding and disposing of the notes and receiving payments under the notes. This summary is based upon the law as in effect on the date of this pricing supplement and is subject to any change in law that may take effect after such date.

This discussion is based on the Internal Revenue Code of 1986, as amended (the Code), its legislative history, existing and proposed regulations under the Code, published rulings and court decisions, all as currently in effect. These laws are subject to change, possibly on a retroactive basis.

This discussion applies to you only if you are the original investor in the notes and you hold your notes as capital assets for tax purposes. This section does not apply to you if you are a member of a class of holders subject to special rules, such as:

- a dealer in securities or currencies,
- a trader in securities that elects to use a mark-to-market method of accounting for your securities holdings,
- a financial institution or a bank,
- a regulated investment company or a real estate investment trust or a common trust fund,

- a life insurance company,
- a tax-exempt organization or an investor holding the notes in a tax-advantaged account (such as an Individual Retirement Account or Roth IRA ), as defined in Section 408 or 408A of the Code, respectively,
- a person that owns notes as part of a straddle or a hedging or conversion transaction, or who has entered into a constructive sale with respect to a note for tax purposes, or
- a U.S. holder (as defined below) whose functional currency for tax purposes is not the U.S. dollar.

This discussion, other than the section entitled Non-U.S. Holders below, is applicable to you only if you are a U.S. holder. You are a U.S. holder if you are a beneficial owner of a note and you are: (i) a citizen or resident of the U.S., (ii) a domestic corporation, (iii) an estate whose income is subject to U.S. federal income tax regardless of its source, or (iv) a trust if a U.S. court can exercise primary supervision over the trust's administration and one or more U.S. persons are authorized to control all substantial decisions of the trust.

If a partnership holds the notes, or any entity treated as a partnership for U.S. federal income tax purposes, the U.S. federal income tax treatment of a partner will generally depend on the status of the partner and the tax treatment of the partnership. A partner in a partnership holding the notes should consult its tax advisor with regard to the U.S. federal income tax treatment of an investment in the notes.

Section 1297. In addition, we will not attempt to ascertain whether any issuer of a reference asset constituent stock would be treated as a passive foreign investment company (a PFIC ) within the meaning of Section 1297 of the Code. If any such entity were so treated, certain adverse U.S. federal income tax consequences might apply to a U.S. holder upon the sale, exchange, redemption, or maturity of a note. You should refer to information filed with the SEC or the equivalent governmental authority by such entities and consult your tax advisor regarding the possible consequences to you if any such entity is or becomes a PFIC.

No statutory, judicial or administrative authority directly discusses how the notes should be treated for U.S. federal income tax purposes. As a result, the U.S. federal income tax consequences of your investment in the notes are uncertain. Accordingly, we urge you to consult your tax advisor as to the tax consequences of your investment in the notes (and of

having agreed to the required tax treatment of your notes described below) and as to the application of state, local or other tax laws to your investment in your notes and the possible effects of changes in federal or other tax laws.

*Tax Treatment.* Pursuant to the terms of the notes, the Bank and you agree, in the absence of a statutory, regulatory, administrative or judicial ruling to the contrary, to characterize your notes as pre-paid derivative contracts with respect to the reference asset. If your notes are so treated, you should generally recognize long-term capital gain or loss if you hold your notes for more than one year (and otherwise, short-term capital gain or loss) upon the sale, exchange, redemption or maturity of your notes in an amount equal to the difference between the amount you receive at such time and the amount you paid for your notes. The deductibility of capital losses is subject to limitations.

In the opinion of our counsel, Cadwalader, Wickersham & Taft LLP, it would be reasonable to treat your notes in the manner described above. However, because there is no authority that specifically addresses the tax treatment of the notes, it is possible that your notes could alternatively be treated for tax purposes as a single contingent payment debt instrument, or pursuant to some other characterization, such that the timing and character of your income from the notes could differ materially from the treatment described above.

*Possible Change in Law.* The IRS released a notice that may affect the taxation of holders of the notes. According to Notice 2008-2, the IRS and the Treasury Department are actively considering whether a holder of an instrument such as the notes should be required to accrue ordinary income on a current basis, and they are seeking taxpayer comments on the subject. It is not possible to determine what guidance they will ultimately issue, if any. It is possible, however, that under such guidance, holders of the notes will ultimately be required to accrue income currently and this could be applied on a retroactive basis. The IRS and the Treasury Department are also considering other relevant issues, including whether additional gain or loss from such instruments should be treated as ordinary or capital, whether foreign holders of such instruments should be subject to withholding tax on any deemed income accruals, and whether the special constructive ownership rules of Section 1260 of the Code should be applied to such instruments.

Additionally, in 2007, legislation was introduced in Congress that, if it had been enacted, would have required holders of notes purchased after the bill was enacted to accrue interest income over the term of the notes despite the fact that there will be no interest payments over the term of the notes. It is not possible to predict whether a similar or identical bill will be enacted in the future, or whether any such bill would affect the tax treatment of your notes.

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Furthermore, in 2013, the House Ways and Means Committee released in draft form certain proposed legislation relating to financial instruments. If enacted, the effect of this legislation generally would be to require instruments such as the notes to be marked to market on an annual basis with all gains and losses to be treated as ordinary, subject to certain exceptions.

It is impossible to predict what any such legislation or administrative or regulatory guidance might provide, and whether the effective date of any legislation or guidance will affect notes that were issued before the date that such legislation or guidance is issued. You are urged to consult your tax advisor as to the possibility that any legislative or administrative action may adversely affect the tax treatment of your notes.

*Medicare Tax on Net Investment Income.* U.S. holders that are individuals or estates and certain trusts are subject to an additional 3.8% tax on all or a portion of their net investment income, or undistributed net investment income in the case of an estate or trust, which may include any income or gain with respect to the notes, to the extent of their net investment income or undistributed net investment income (as the case may be) that, when added to their other modified adjusted gross income, exceeds \$200,000 for an unmarried individual, \$250,000 for a married taxpayer filing a joint return (or a surviving spouse), \$125,000 for a married individual filing a separate return, or the dollar amount at which the highest tax bracket begins for an estate or trust (which, in 2016, is \$12,400). The 3.8% Medicare tax is determined in a different manner than the regular income tax. U.S. holders should consult their advisors with respect to the 3.8% Medicare tax.

*Specified Foreign Financial Assets.* U.S. holders may be subject to reporting obligations with respect to their notes if they do not hold their notes in an account maintained by a financial institution and the aggregate value of their notes and certain other specified foreign financial assets (applying certain attribution rules) exceeds \$50,000. Significant penalties can apply if a U.S. holder is required to disclose its notes and fails to do so.

*Treasury Regulations Requiring Disclosure of Reportable Transactions.* Treasury regulations require United States taxpayers to report certain transactions ( Reportable Transactions ) on IRS Form 8886. An investment in the notes or a sale of the notes should generally not be treated as a Reportable Transaction under current law, but it is possible that future legislation, regulations or administrative rulings could cause your investment in the notes or a sale of the notes to be treated as a Reportable Transaction. You should consult with your tax advisor regarding any tax filing and reporting obligations that may apply in connection with acquiring, owning and disposing of notes.

*Backup Withholding and Information Reporting.* The proceeds received from a sale, exchange, redemption or maturity of the notes will be subject to information reporting unless you are an exempt recipient and may also be subject to backup withholding at the rate specified in the Code if you fail to provide certain identifying information (such as an accurate taxpayer number, if you are a U.S. holder) or meet certain other conditions.

Amounts withheld under the backup withholding rules are not additional taxes and may be refunded or credited against your U.S. federal income tax liability, provided the required information is furnished to the IRS.

*Non-U.S. Holders.* This section applies only if you are a non-U.S. holder. For these purposes, you are a non-U.S. holder if you are the beneficial owner of the notes and are, for U.S. federal income tax purposes:

- a non-resident alien individual;
- a non-U.S. corporation; or
- an estate or trust that, in either case, is not subject to U.S. federal income tax on a net income basis on income or gain from the notes.

If you are a non-U.S. holder, you should generally not be subject to U.S. withholding tax with respect to payments on your notes or to generally applicable information reporting and backup withholding requirements with respect to payments on your notes if you comply with certain certification and identification requirements as to your foreign status including providing us (and/or the applicable withholding agent) a properly executed and fully completed applicable IRS Form W-8. Gain from the sale, exchange, redemption or maturity of the notes generally will not be subject to U.S. tax unless such gain is effectively connected with a trade or

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business conducted by you in the U.S. or unless you are a non-resident alien individual and are present in the United States for 183 days or more during the taxable year of such sale, exchange, redemption or maturity and certain other conditions are satisfied.

As discussed above, alternative characterizations of the notes for U.S. federal income tax purposes are possible. Should an alternative characterization of the notes cause payments with respect to the notes to become subject to withholding tax, we will withhold tax at the applicable statutory rate and we will not make payments of any additional amounts.

**Both U.S. and non-U.S. holders should consult their tax advisors regarding 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 (including that of the Bank and the issuers of any component stocks).**

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