

TORONTO DOMINION BANK  
Form 424B2  
December 26, 2018  
Filed Pursuant to Rule 424(b)(2)

**Registration Statement No. 333-211718**

The  
Toronto-Dominion  
Bank

\$12,175,000

Digital  
NASDAQ-100  
Index<sup>®</sup>-Linked  
Notes due March  
24, 2020

**The notes do not bear interest.** The amount that you will be paid on your notes on the maturity date (March 24, 2020) is based on the performance of the NASDAQ-100 Index<sup>®</sup> as measured from the pricing date (December 20, 2018) to and including the valuation date (March 20, 2020).

If the final level on the valuation date is greater than or equal to the threshold level of 85.00% of the initial level of 6,243.195, you will receive the threshold settlement amount of \$1,112.80 for each \$1,000 principal amount of your notes. If the final level on the valuation date is less than the threshold level of 85.00% of the initial level, your payment will be less than the principal amount and you will have a loss equal to the percentage decrease below the threshold level *times* the downside multiplier of approximately 1.1765. **Specifically, if the final level declines by more than 15.00% from the initial level, you will lose approximately 1.1765% of the principal amount of your notes for every 1% that the final level has declined below the threshold level of 85.00% of the initial level. Despite the inclusion of the threshold level, due to the downside multiplier you may lose your entire principal amount.**

To determine your payment at maturity, we will calculate the percentage change of the NASDAQ-100 Index<sup>®</sup>, which is the percentage increase or decrease in the final level from the initial level. On the maturity date, for each \$1,000 principal amount of your notes, you will receive an amount in cash equal to:

if the percentage change is greater than or equal to -15.00% (the final level is greater than or equal to 85.00% of the initial level), the threshold settlement amount; or  
if the percentage change is negative and is below -15.00% (the final level is less than the initial level by more than 15.00%), the *sum* of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) approximately 1.1765 *times* (c) the *sum* of the percentage change *plus* 15.00%.

**The notes do not guarantee the return of principal at maturity.**

The notes are unsecured and are not savings accounts or insured deposits of a bank. The notes are not insured or guaranteed by the Canada Deposit Insurance Corporation, the U.S. Federal Deposit Insurance Corporation or any other governmental agency or instrumentality. Any payments on the notes are subject to our credit risk. The notes will not be listed or displayed on any securities exchange or electronic communications network.

**You should read the disclosure herein to better understand the terms and risks of your investment. See “Additional Risk Factors” beginning on page P-7 of this pricing supplement.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined that this pricing supplement, the product prospectus supplement or the prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

**The initial estimated value of the notes at the time the terms of your notes were set on the pricing date was \$986.40 per \$1,000 principal amount, which is less than the public offering price listed below. See “Additional Information Regarding the Estimated Value of the Notes” on the following page and “Additional Risk Factors” beginning on page P-7 of this document for additional information. The actual value of your notes at any time will reflect many factors and cannot be predicted with accuracy.**

|                         | Public Offering Price <sup>1</sup> | Underwriting Discount | Proceeds to TD  |
|-------------------------|------------------------------------|-----------------------|-----------------|
| Per Note                | \$1,000.00                         | \$10.90               | \$989.10        |
| Total                   | \$12,175,000.00                    | \$132,707.50          | \$12,042,292.50 |
| TD Securities (USA) LLC |                                    |                       |                 |

Pricing Supplement dated December 20, 2018

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<sup>1</sup> The public offering price for certain investors is 98.91% of the principal amount, reflecting a foregone underwriting discount with respect to such notes; see “Supplemental Plan of Distribution (Conflicts of Interest)” on page P-30 herein.

The public offering price, underwriting discount and proceeds to TD listed above relate to the notes we issue initially. We may decide to sell additional notes after the date of this pricing supplement, at public offering prices and with underwriting discounts and proceeds to TD 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 public offering price you pay for such notes.

We, TD Securities (USA) LLC (“TDS”), or any of our affiliates, may use this pricing supplement in the initial sale of the notes. In addition, we, TDS or any of our affiliates may use this pricing supplement in a market-making transaction in a note after its initial sale. **Unless we, TDS or any of our affiliates informs the purchaser otherwise in the confirmation of sale, this pricing supplement will be used in a market-making transaction.**

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

The final terms for the Notes were determined on the Pricing Date, based on prevailing market conditions and are set forth in this pricing supplement. The economic terms of the Notes are based on TD’s internal funding rate (which is TD’s internal borrowing rate based on variables such as market benchmarks and TD’s appetite for borrowing), and several factors, including any sales commissions expected to be paid to TDS, any selling concessions, discounts, commissions or fees expected to be allowed or paid to non-affiliated intermediaries, the estimated profit that TD or any of TD’s affiliates expect to earn in connection with structuring the Notes, the estimated cost TD may incur in hedging its obligations under the Notes and the estimated development and other costs which TD may incur in connection with the Notes. Because TD’s internal funding rate generally represents a discount from the levels at which TD’s benchmark debt securities trade in the secondary market, the use of an internal funding rate for the Notes rather than the levels at which TD’s benchmark debt securities trade in the secondary market is expected to have had an adverse effect on the economic terms of the Notes. On the cover page of this pricing supplement, TD has provided the initial estimated value for the Notes. This initial estimated value was determined by reference to TD’s internal pricing models which take into account a number of variables and are based on a number of assumptions, which may or may not materialize, typically including volatility, interest rates (forecasted, current and historical rates), price-sensitivity analysis, time to maturity of the Notes, and TD’s internal funding rate. For more information about the initial estimated value, see “Additional Risk Factors” beginning on page P-7. Because TD’s internal funding rate generally represents a discount from the levels at which TD’s benchmark debt securities trade in the secondary market, the use of an internal funding rate for the Notes rather than the levels at which TD’s benchmark debt securities trade in the secondary market is expected, assuming all other economic terms are held constant, to increase the estimated value of the Notes. For more information see the discussion under “Additional Risk Factors — TD’s and TDS’s Estimated Value of the Notes are Determined By Reference to TD’s Internal Funding Rates and are Not Determined By Reference to Credit Spreads or the Borrowing Rate TD Would Pay for its Conventional Fixed-Rate Debt Securities”.

TD’s estimated value on the Pricing Date is not a prediction of the price at which the Notes may trade in the secondary market, nor will it be the price at which TDS may buy or sell the Notes in the secondary market. Subject to normal market and funding conditions, TDS or another affiliate of TD’s intends to offer to purchase the Notes in the secondary market but it is not obligated to do so.

Assuming that all relevant factors remain constant after the Pricing Date, the price at which TDS may initially buy or sell the Notes in the secondary market, if any, may exceed TD’s estimated value on the Pricing Date for a temporary period expected to be approximately 3 months after the Pricing Date because, in its discretion, TD may elect to effectively reimburse to investors a portion of the estimated cost of hedging its obligations under the Notes and other costs in connection with the Notes which TD will no longer expect to incur over the term of the Notes. TD made such discretionary election and determined this temporary reimbursement period on the basis of a number of factors, including the tenor of the Notes and any agreement TD may have with the distributors of the Notes. The amount of TD’s estimated costs which is effectively reimbursed to investors in this way may not be allocated ratably throughout the reimbursement period, and TD may discontinue such reimbursement at any time or revise the duration of the reimbursement period after the Pricing Date of the Notes based on changes in market conditions and other factors that cannot be predicted.

If a party other than TDS or its affiliates is buying or selling your Notes in the secondary market based on its own estimated value of your Notes which was calculated by reference to TD's credit spreads or the borrowing rate TD would pay for its conventional fixed-rate debt securities (as opposed to TD's internal funding rate), the price at which such party would buy or sell your Notes could be significantly lower.

**We urge you to read the “Additional Risk Factors” beginning on page P-7 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 product prospectus supplement and the prospectus.

**Issuer:** The Toronto-Dominion Bank (“TD”)  
**Issue:** Senior Debt Securities, Series E  
**Type of Note:** Digital Notes (the “Notes”)  
**Term:** Approximately 15 months  
**Reference Asset:** The NASDAQ-100 Index® (Bloomberg Ticker: NDX)  
**CUSIP / ISIN:** 89114QGE2 / US89114QGE26  
**Agent:** TD Securities (USA) LLC (“TDS”)  
**Currency:** U.S. Dollars  
**Minimum Investment:** \$1,000 and minimum denominations of \$1,000 in excess thereof  
**Principal Amount:** \$1,000 per Note; \$12,175,000 in the aggregate for all the offered Notes; the aggregate principal amount of the offered Notes may be increased if the Issuer, 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.  
**Pricing Date:** December 20, 2018  
**Issue Date:** December 28, 2018  
**Valuation Date:** March 20, 2020, subject to postponement for market disruption events and other disruptions, as described under “General Terms of the Notes — Valuation Date” on page PS-18 in the product prospectus supplement.  
**Maturity Date:** March 24, 2020, subject to postponement for market disruption events and other disruptions, as described under “General Terms of the Notes — Maturity Date” on page PS-18 in the product prospectus supplement.  
 For each \$1,000 Principal Amount of the Notes, we will pay you on the Maturity Date an amount in cash equal to:

if the Final Level is *greater than* or *equal to* the Threshold Level, the Threshold Settlement Amount; or

**Payment at Maturity:** if the Final Level is *less than* the Threshold Level, the *sum* of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) the Downside Multiplier *times* (c) the *sum* of the Percentage Change *plus* the Threshold Percentage.

**If the Final Level is less than the Threshold Level, investors will receive less than the Principal Amount of the Notes at maturity and may lose their entire Principal Amount.**

All amounts used in or resulting from any calculation relating to the Notes, including the Payment at Maturity, will be rounded upward or downward as appropriate, to the nearest cent.

|                                   |   |
|-----------------------------------|---|
| Threshold Settlement Amount:      | \$1,112.80  |
| <b>Threshold Percentage:</b>      | 15.00%  |
| <b>Threshold Level:</b>           | 5,306.71575, which is 85.00% of the Initial Level   |
| <b>Downside Multiplier:</b>       | The quotient of the Initial Level divided by the Threshold Level, which equals approximately 1.1765.  |
| Percentage Change:                | The quotient of (1) the Final Level minus the Initial Level divided by (2) the Initial Level, expressed as a percentage.  |
| <b>Initial Level:</b>             | 6,243.195   |
| <b>Final Level:</b>               | The Closing Level of the Reference Asset on the Valuation Date, except in the limited circumstances described under “General Terms of the Notes — Market Disruption Events” beginning on page PS-19 of the product prospectus supplement and subject to adjustment as provided under “General Terms of the Notes — Unavailability of the Level of the Reference Asset” beginning on page PS-18 of the product prospectus supplement.  |
| <b>Closing Level:</b>             | The Closing Level of the Reference Asset will be the closing level of the Reference Asset or any successor index (as defined in the product prospectus supplement) on any Trading Day for the Reference Asset, as displayed on Bloomberg Professional® service (“Bloomberg”) page “NDX <INDEX>” or any successor page on Bloomberg or any successor service, as applicable.   |
| <b>Limited events of default:</b> | Notwithstanding anything to the contrary set forth in the prospectus, the only events of default for the Notes are expected to be (i) principal payment defaults that continue for 30 business days and (ii) certain bankruptcy, insolvency or reorganization events. No other breach or default under our indenture or the Notes will result in an event of default for the Notes or permit the trustee or holders to accelerate the maturity of any debt securities – that is, they will not be entitled to declare the principal amount of any Notes to be immediately due and payable. See “Additional Risk Factors— Notwithstanding Anything to the Contrary Set Forth in the Prospectus, the Indenture Will Provide Only Limited Acceleration and Enforcement Rights for the Notes”.  |
| Business Day:                     | Any day that is a Monday, Tuesday, Wednesday, Thursday or Friday that is neither a legal holiday nor a day on which banking institutions are authorized or required by law to close in New York City or Toronto.  |
| U.S. Tax Treatment:               | By purchasing a Note, each holder agrees, in the absence of a statutory or regulatory change or an administrative determination or judicial ruling to the contrary, to characterize the Notes, for U.S. federal income tax purposes, as prepaid derivative contracts with respect to the Reference Asset. Based on certain factual representations received from us, our special U.S. tax counsel, Cadwalader, Wickersham & Taft LLP, is of the opinion that it would be reasonable to treat the 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 and adversely from the treatment described above. Please see the discussion below under “Supplemental Discussion of U.S. Federal Income Tax Consequences”. |

Canadian Tax Treatment: Please see the discussion in the product prospectus supplement under “Supplemental Discussion of Canadian Tax Consequences,” which applies to the Notes.

Calculation Agent: TD

Listing: The Notes will not be listed or displayed on any securities exchange or electronic communications network.

Clearance and Settlement: DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg) as described under “Forms of the Debt Securities” and “Book-Entry Procedures and Settlement” in the prospectus.

Canadian Bail-in: The Notes are not bail-inable notes under the Canada Deposit Insurance Corporation Act.

P-5

Additional Terms of Your Notes

You should read this pricing supplement together with the prospectus, as supplemented by the product prospectus supplement, relating to our Senior Debt Securities, Series E, 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 the following hierarchy will govern: first, this pricing supplement; second, the product prospectus supplement; and last, the prospectus. ***The Notes vary from the terms described in the product prospectus supplement in several important ways. You should read this pricing supplement carefully.***

This pricing supplement, together with the documents listed below, contains the terms of the Notes and supersedes 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” beginning on page P-7 of this pricing supplement, “Additional Risk Factors Specific to the Notes” beginning on page PS-5 of the product prospectus supplement and “Risk Factors” on page 1 of the prospectus, 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 Securities and Exchange Commission (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):

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Prospectus dated June 30, 2016:

<https://www.sec.gov/Archives/edgar/data/947263/000119312516638441/d162493d424b3.htm>

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Product Prospectus Supplement MLN-EI-1 dated June 30, 2016:

[https://www.sec.gov/Archives/edgar/data/947263/000089109216015847/e70323\\_424b2.htm](https://www.sec.gov/Archives/edgar/data/947263/000089109216015847/e70323_424b2.htm)

Our Central Index Key, or CIK, on the SEC website is 0000947263. As used in this pricing supplement, the “Bank,” “we,” “us,” or “our” refers to The Toronto-Dominion Bank and its subsidiaries. Alternatively, The Toronto-Dominion Bank, any agent or any dealer participating in this offering will arrange to send you the product prospectus supplement and the prospectus if you so request by calling 1-855-303-3234.



## Additional Risk Factors

The Notes involve risks not associated with an investment in conventional debt securities. This section describes the most significant risks relating to the terms of the Notes. For additional information as to these risks, please see “Additional Risk Factors Specific to the Notes” in the product prospectus supplement and “Risk Factors” in the prospectus.

You should carefully consider whether the Notes are suited to your particular circumstances before you decide to purchase them. Accordingly, prospective investors should consult their investment, legal, tax, accounting and other advisors as to the risks entailed by an investment in the Notes and the suitability of the Notes in light of their particular circumstances.

### **Principal at Risk.**

Investors in the Notes could lose their entire Principal Amount if there is a decline in the level of the Reference Asset by more than the Threshold Percentage. If the Final Level is less than the Initial Level by more than 15.00%, you will lose a portion of each \$1,000 Principal Amount in an amount equal to the product of (i) the Principal Amount times (ii) the Downside Multiplier times (iii) the sum of the negative Percentage Change plus the Threshold Percentage. Specifically, you will lose approximately 1.1765% of the Principal Amount of each of your Notes for every 1% that the Final Level is less than the Initial Level in excess of the Threshold Percentage and you may lose your entire Principal Amount.

### **The Notes Do Not Pay Interest and Your Return on the Notes May Be Less Than the Return on Conventional Debt Securities of Comparable Maturity.**

There will be no periodic interest payments on the Notes as there would be on a conventional fixed-rate or floating-rate debt security having the same term. 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 TD.

### **Your Potential Payment at Maturity on the Notes Is Fixed and Limited to the Threshold Settlement Amount and You Will Not Participate in Any Appreciation in the Level of the Reference Asset.**

Your potential Payment at Maturity on the Notes is fixed as of the Pricing Date and is limited to the Threshold Settlement Amount, which you will receive only if the Final Level is equal to or greater than the Threshold Level. The Notes do not provide for any participation in the positive performance of the Reference Asset no matter how much the level of the Reference Asset may rise above the Initial Level over the life of your Notes. Therefore, an investment in the Notes could result in a return, if any, that will be significantly less than that of a hypothetical direct investment in the Reference Asset.

### **Notwithstanding Anything to the Contrary Set Forth in the Prospectus, the Indenture Will Provide Only Limited Acceleration and Enforcement Rights for the Notes**

In connection with the implementation of certain Canadian federal statutes, and notwithstanding anything to the contrary set forth in the prospectus, the indenture under which the Notes are issued has been supplemented to provide that, for any Notes of a series issued on or after September 23, 2018, including the Notes offered by this pricing supplement, acceleration will only be permitted if (i) we default in the payment of the principal of, or interest on, any note of that series and, in each case, the default continues for a period of 30 business days, or (ii) certain bankruptcy, insolvency or reorganization events occur. As a result, before you invest in the Notes, you should consider the risk that your safeguards and your ability to effect remedies under the indenture will be limited. See “Events of Default” herein for additional information.

**Investors Are Subject to TD's Credit Risk, and TD's Credit Ratings and Credit Spreads May Adversely Affect the Market Value of the Notes.**

Although the return on the Notes will depend on the Final Level of the Reference Asset, the payment of any amount due on the Notes is subject to TD's credit risk. The Notes are TD's unsecured debt obligations. Investors are dependent on TD's ability to pay all amounts due on the Notes on the Maturity Date and, therefore, investors are subject to the credit risk of TD and to changes in the market's view of TD's creditworthiness. Any decrease in TD's credit ratings or increase in the credit spreads charged by the market for taking TD's credit risk is likely to adversely affect the market value of the Notes. If TD becomes unable to meet its financial obligations as they become due, investors may not receive any amounts due under the terms of the Notes.

**The Agent Discount, if any, Offering Expenses and Certain Hedging Costs Are Likely to Adversely Affect Secondary Market Prices.**

Assuming no changes in market conditions or any other relevant factors, the price, if any, at which you may be able to sell the Notes will likely be lower than the public offering price. The public offering price includes, and any price quoted to you is likely to exclude, any underwriting discount paid in connection with the initial distribution, offering expenses as well as

the cost of hedging our obligations under the Notes. In addition, any such price is also likely to reflect any dealer discounts, mark-ups and other transaction costs, such as a discount to account for costs associated with establishing or unwinding any related hedge transaction. In addition, if the dealer from which you purchase Notes, or one of its affiliates, is to conduct hedging activities for us in connection with the Notes, that dealer, or one of its affiliates, may profit in connection with such hedging activities and such profit, if any, will be in addition to any compensation that the dealer receives for the sale of the Notes to you. You should be aware that the potential for that dealer or one of its affiliates to earn fees in connection with hedging activities may create a further incentive for that dealer to sell the Notes to you in addition to any compensation they would receive for the sale of the Notes.

**There May Not Be an Active Trading Market for the Notes — Sales in the Secondary Market May Result in Significant Losses.**

There may be little or no secondary market for the Notes. The Notes will not be listed or displayed on any securities exchange or electronic communications network. TDS and our affiliates may make a market for the Notes; however, they are not required to do so. TDS and our affiliates may stop any market-making activities at any time. Even if a secondary market for the Notes develops, it may not provide significant liquidity or trade at prices advantageous to you. We expect that transaction costs in any secondary market would be high. As a result, the difference between bid and ask prices for your Notes in any secondary market could be substantial.

If you sell your Notes before the Maturity Date, you may have to do so at a substantial discount from the public offering price irrespective of the level of the Reference Asset and, as a result, you may suffer substantial losses.

**If the Level of the Reference Asset Changes, 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. Changes in the level of the Reference Asset may not result in a comparable change in the market value of your Notes. Even if the level of the Reference Asset increases above the Initial Level during the life of the Notes, the market value of your Notes may not increase by the same amount and could decline.

**The Payment at Maturity Is Not Linked to the Level of the Reference Asset at Any Time Other than the Valuation Date.**

The Final Level will be the Closing Level of the Reference Asset on the Valuation Date (subject to adjustment as described elsewhere in this pricing supplement). Therefore, if the Closing Level of the Reference Asset dropped to a level that is less than the Threshold Level on the Valuation Date, you would not receive the Threshold Settlement Amount and would not receive your full Principal Amount, even though you would have had the Payment at Maturity been linked to the Closing Level of the Reference Asset prior to such drop in the level of the Reference Asset. Although the actual level of the Reference Asset on the Maturity Date or at other times during the life of your Notes may be higher than the Final Level, you will benefit from the Closing Level of the Reference Asset only on the Valuation Date.

**We May Sell an Additional Aggregate Principal Amount of the Notes at a Different Public Offering Price.**

At our sole option, we may decide to sell an additional aggregate Principal Amount of the Notes subsequent to the date of this pricing supplement. The public offering price of the Notes in the subsequent sale may differ substantially (higher or lower) from the original public offering price you paid as provided on the cover of this pricing supplement.

**If You Purchase Your Notes at a Premium to Principal Amount, the Return on Your Investment Will Be Lower Than the Return on Notes Purchased at 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 Principal Amount. If you purchase your Notes at a premium to 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 Principal Amount or a discount to Principal Amount. In addition, the impact of the Threshold Level and the Threshold Settlement Amount on the return on your investment will depend upon the price you pay for your Notes relative to Principal Amount. For example, if you purchase your Notes at a premium to Principal Amount, the Threshold Settlement Amount will only permit a lower positive return on your investment in the Notes than would have been the case for Notes purchased at Principal Amount or a discount to Principal Amount. Similarly, the Threshold Level, while still providing some protection for the return on the Notes, will allow 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.

**You Will Not Have Any Rights to the Reference Asset Constituents.**

As a holder of the Notes, your potential Payment at Maturity is limited to the Threshold Settlement Amount and you will not participate in any appreciation of the Reference Asset or the securities included in the Reference Asset (the

“Reference Asset Constituents”). Additionally, you will not have voting rights or rights to receive cash dividends or other distributions or other rights that holders of the Reference Asset Constituents would have. The Final Level will not reflect any dividends paid on any Reference Asset Constituents.

**As Compared to Other Index Sponsors, Nasdaq, Inc. Retains Significant Control and Discretionary Decision-Making Over the NASDAQ-100® Index, Which May Have an Adverse Effect on the Level of the Reference Asset and on Your Notes.**

Pursuant to the methodology, the Index Sponsor retains the right, from time to time, to exercise reasonable discretion as it deems appropriate in order to ensure integrity of the Nasdaq-100® Index, including, but not limited to, changes to quantitative inclusion criteria. The Index Sponsor may also, due to special circumstances, apply discretionary adjustments to ensure and maintain quality of the NASDAQ-100® Index. Although it is unclear how and to what extent this discretion could or would be exercised, it is possible that it could be exercised by the Index Sponsor in a manner that materially and adversely affects the level of the NASDAQ-100® Index and therefore your Notes. The Index Sponsor is not obligated to, and will not, take account of your interests in exercising the discretion described above.

**We Have No Affiliation with the Index Sponsor and Will Not Be Responsible for Any Actions Taken by the Index Sponsor.**

Nasdaq, Inc. (the “Index Sponsor”) is not an affiliate of ours and will not be involved in any offerings of the Notes in any way. Consequently, we have no control of any actions of the Index Sponsor, including any actions of the type that would require the Calculation Agent to adjust the Payment at Maturity. The Index Sponsor does not have any obligation of any sort with respect to the Notes. Thus, the Index Sponsor has no obligation to take your interests into consideration for any reason, including in taking any actions that might affect the value of the Notes. None of our proceeds from any issuance of the Notes will be delivered to the Index Sponsor, except to the extent that we are required to pay the Index Sponsor licensing fees with respect to the Reference Asset.

**The Reference Asset reflects price return, 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 Constituents. It is not, however, linked to a “total return” index or strategy, which, in addition to reflecting those price returns, would also reflect dividends paid on the Reference Asset Constituents. The return on your Notes will not include such a total return feature or dividend component.

**Investment in the Offered Notes Is Subject to Risks Associated with Non-U.S. Securities Markets.**

The value of your Notes is linked to the Reference Asset which holds, in part, stocks traded in one or more non-U.S. securities markets. Investments linked to the value of non-U.S. equity securities involve particular risks. Any non-U.S. securities market may be less liquid, more volatile and affected by global or domestic market developments in a different way than are the U.S. securities market or other non-U.S. securities markets. Both government intervention in a non-U.S. securities market, either directly or indirectly, and cross-shareholdings in non-U.S. companies, may affect trading prices and volumes in that market. Also, 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. Further, non-U.S. companies are likely subject to accounting, auditing and financial reporting standards and requirements that differ from those applicable to U.S. reporting companies.

The prices of securities in a non-U.S. country are subject to political, economic, financial and social factors that are unique to such non-U.S. country's geographical region. These factors include: recent changes, or the possibility of future changes, in the applicable non-U.S. government's economic and fiscal policies; the possible implementation of, or changes in, currency exchange laws or other laws or restrictions applicable to non-U.S. companies or investments

in non-U.S. equity securities; fluctuations, or the possibility of fluctuations, in currency exchange rates; and the possibility of outbreaks of hostility, political instability, natural disaster or adverse public health developments. The United Kingdom has voted to leave the European Union (popularly known as "Brexit"). The effect of Brexit is uncertain, and Brexit has and may continue to contribute to volatility in the prices of securities of companies located in Europe and currency exchange rates, including the valuation of the euro and British pound in particular. Any one of these factors, or the combination of more than one of these or other factors, could negatively affect such non-U.S. securities market and the prices of securities therein. Further, geographical regions may react to global factors in different ways, which may cause the prices of securities in a non-U.S. securities market to fluctuate in a way that differs from those of securities in the U.S. securities market or other non-U.S. securities markets. Non-U.S. economies may also differ from the U.S. economy in important respects, including growth of gross national product, rate of inflation, capital reinvestment, resources and self-sufficiency, which may have a positive or negative effect on non-U.S. securities prices.

**Trading and Business Activities by TD and Our Affiliates May Adversely Affect the Market Value of the Notes.**

TD and our affiliates may hedge our obligations under the Notes by purchasing securities, futures, options or other derivative instruments with returns linked or related to changes in the level of the Reference Asset or prices of one or

more Reference Asset Constituents, and we or they may adjust these hedges by, among other things, purchasing or selling securities, futures, options or other derivative instruments at any time. It is possible that we or one or more of our affiliates could receive substantial returns from these hedging activities while the market value of the Notes declines. We or one or more of our affiliates may also issue or underwrite other securities or financial or derivative instruments with returns linked or related to the performance of the Reference Asset or one or more Reference Asset Constituents.

These trading activities may present a conflict between the holders' interest in the Notes and the interests we and our affiliates will have in our or their proprietary accounts, in facilitating transactions, including options and other derivatives transactions, for our or their customers' accounts and in accounts under our or their management. These trading activities could be adverse to the interests of the holders of the Notes.

We and our affiliates may, at present or in the future, engage in business with one or more issuers of the Reference Asset Constituents (the "Reference Asset Constituent Issuers"), including making loans to or providing advisory services to those companies. These services could include investment banking and merger and acquisition advisory services. These business activities may present a conflict between us and our affiliates obligations, and your interests as a holder of the Notes. Moreover, we, and our affiliates may have published, and in the future expect to publish, research reports with respect to the Reference Asset or one or more Reference Asset Constituents. This research is modified from time to time without notice and may express opinions or provide recommendations that are inconsistent with purchasing or holding the Notes. Any of these business activities by us or one or more of our affiliates may affect the level of the Reference Asset or one or more Reference Asset Constituents and, therefore, the market value of the Notes.

**TD's Initial Estimated Value of the Notes at the Time of Pricing (When the Terms of Your Notes Were Set on the Pricing Date) is Less Than the Public Offering Price of the Notes.**

TD's initial estimated value of the Notes is only an estimate. TD's initial estimated value of the Notes is less than the public offering price of the Notes. The difference between the public offering price of the Notes and TD's initial estimated value reflects costs and expected profits associated with selling and structuring the Notes, as well as hedging its obligations under the Notes with a third party. Because hedging our obligations entails risks and may be influenced by market forces beyond our control, this hedging may result in a profit that is more or less than expected, or a loss.

**TD's and TDS's Estimated Value of the Notes are Determined By Reference to TD's Internal Funding Rates and are Not Determined By Reference to Credit Spreads or the Borrowing Rate TD Would Pay for its Conventional Fixed-Rate Debt Securities.**

TD's initial estimated value of the Notes and TDS's estimated value of the Notes at any time are determined by reference to TD's internal funding rate. The internal funding rate used in the determination of the estimated value of the Notes generally represents a discount from the credit spreads for TD's conventional fixed-rate debt securities and the borrowing rate TD would pay for its conventional fixed-rate debt securities. This discount is based on, among other things, TD's view of the funding value of the Notes as well as the higher issuance, operational and ongoing liability management costs of the Notes in comparison to those costs for TD's conventional fixed-rate debt, as well as estimated financing costs of any hedge positions, taking into account regulatory and internal requirements. If the interest rate implied by the credit spreads for TD's conventional fixed-rate debt securities, or the borrowing rate TD would pay for its conventional fixed-rate debt securities were to be used, TD would expect the economic terms of the Notes to be more favorable to you. Additionally, assuming all other economic terms are held constant, the use of an internal funding rate for the Notes is expected to increase the estimated value of the Notes at any time.

**TD's Initial Estimated Value of the Notes Does Not Represent Future Values of the Notes and May Differ From Others' (Including TDS's) Estimates.**

TD's initial estimated value of the Notes was determined by reference to its internal pricing models when the terms of the Notes were set. These pricing models take into account a number of variables, such as TD's internal funding rate on the Pricing Date, and are based on a number of assumptions as discussed further under "Additional Information Regarding the Estimated Value of the Notes" on page P-2. Different pricing models and assumptions (including the pricing models and assumptions used by TDS) could provide valuations for the Notes that are different, and perhaps materially lower, from TD's initial estimated value. Therefore, the price at which TDS would buy or sell your Notes (if TDS makes a market, which it is not obligated to do) may be materially lower than TD's initial estimated value. In addition, market conditions and other relevant factors in the future may change, and any assumptions may prove to be incorrect.

**The Estimated Value of the Notes Is Not a Prediction of the Prices at Which You May Sell Your Notes in the Secondary Market, If Any, and Such Secondary Market Prices, If Any, Will Likely be Lower Than the Public Offering Price of Your Notes and May Be Lower Than the Estimated Value of Your Notes.**

The estimated value of the Notes will not be a prediction of the prices at which TDS, other affiliates of ours or third parties may be willing to purchase the Notes from you in secondary market transactions (if they are willing to purchase, which they are not obligated to do). The price at which you may be able to sell your Notes in the secondary market at any time, if any, will be influenced by many factors that cannot be predicted, such as market conditions, and any bid and ask spread for similar sized trades, and may be substantially less than the estimated value of the Notes. Further, as secondary



market prices of your Notes take into account the levels at which our debt securities trade in the secondary market, and do not take into account our various costs and expected profits associated with selling and structuring the Notes, as well as hedging our obligations under the Notes, secondary market prices of your Notes will likely be lower than the public offering price of your Notes. As a result, the price at which TDS, other affiliates of ours or third parties may be willing to purchase the Notes from you in secondary market transactions, if any, will likely be lower than the price you paid for your Notes, and any sale prior to the Maturity Date could result in a substantial loss to you.

**The Temporary Price at Which TDS 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 Pricing Date, the price at which TDS may initially buy or sell the Notes in the secondary market (if TDS makes a market in the Notes, which it is not obligated to do) may exceed the estimated value of the Notes on the Pricing Date, as well as the secondary market value of the Notes, for a temporary period after the Pricing Date of the Notes, as discussed further under “Additional Information Regarding the Estimated Value of the Notes.” The price at which TDS may initially buy or sell the Notes in the secondary market may not be indicative of future prices of your Notes.

**The Market Value of Your Notes May Be Influenced by Many Unpredictable Factors.**

When we refer to the market value of your Notes, we mean the value that you could receive for your Notes if you chose to sell them in the open market before the Maturity Date. A number of factors, many of which are beyond our control, will influence the market value of your Notes, including:

- the level of the Reference Asset;
- the volatility – i.e., the frequency and magnitude of changes – in the level of the Reference Asset;
- the dividend rates, if applicable, of the Reference Asset Constituents;
- economic, financial, regulatory and political, military or other events that may affect the prices of any of the Reference Asset Constituents and thus the level of the Reference Asset;
- interest rate and yield rates in the market;
  - the time remaining until your Notes mature;
- any fluctuations in the exchange rate between currencies in which the Reference Asset Constituents are quoted and traded and the U.S. dollar, as applicable; and
- our creditworthiness, whether actual or perceived, and including actual or anticipated upgrades or downgrades in our credit ratings or changes in other credit measures.

These factors will influence the price you will receive if you sell your Notes before maturity, including the price you may receive for your Notes in any market-making transaction. If you sell your Notes prior to maturity, you may receive less than the Principal Amount of your Notes.

The future levels of the Reference Asset cannot be predicted. The actual change in the level of the Reference Asset over the life of the Notes, as well as the Payment at Maturity, may bear little or no relation to the hypothetical historical closing levels of the Reference Asset or to the hypothetical examples shown elsewhere in this pricing supplement.

**There Are Potential Conflicts of Interest Between You and the Calculation Agent.**

The Calculation Agent will, among other things, determine the amount of your payment on the Notes. We will serve as the Calculation Agent and may appoint a different Calculation Agent after the Issue Date without notice to you. The Calculation Agent will exercise its judgment when performing its functions and may take into consideration our ability to unwind any related hedges. Since this discretion by the Calculation Agent may affect payments on the Notes, the Calculation Agent may have a conflict of interest if it needs to make any such decision. For example, the

Calculation Agent may have to determine whether a market disruption event affecting the Reference Asset has occurred. This determination may, in turn, depend on the Calculation Agent's judgment whether the event has materially interfered with our ability or the ability of one of our affiliates to unwind our hedge positions. Since this determination by the Calculation Agent will affect the payment on the Notes, the Calculation Agent may have a conflict of interest if it needs to make a determination of this kind. For additional information as to the Calculation Agent's role, see "General Terms of the Notes—Role of Calculation Agent" in the product prospectus supplement.

**Market Disruption Events and Adjustments.**

The Valuation Date, and therefore the Maturity Date, are subject to postponement as described in the product prospectus supplement due to the occurrence of one or more market disruption events. For a description of what constitutes a market disruption event as well as the consequences of that market disruption event, see "General Terms of the Notes—Market Disruption Events" in the product prospectus supplement.

P-11

**Significant Aspects of the Tax Treatment of the Notes Are Uncertain.**

Significant aspects of the U.S. tax treatment of the Notes are uncertain. You should consult your tax advisor about your tax situation and should read carefully the section entitled “Supplemental Discussion of U.S. Federal Income Tax Consequences” below.

For a more complete discussion of the Canadian federal income tax consequences of investing in the Notes, please see the discussion in the product prospectus supplement under “Supplemental Discussion of Canadian Tax Consequences.”

If you are not a Non-resident Holder (as that term is defined in the prospectus) for Canadian federal income tax purposes or if you acquire the Notes in the secondary market, you should consult your tax advisors as to the consequences of acquiring, holding and disposing of the Notes and receiving the payments that might be due under the Notes.

P-12

## Hypothetical Returns

The examples and graph 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 levels of the Reference Asset 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 levels 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 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 examples 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 are set on the Pricing Date is less than the original public offering price of your Notes. For more information on the estimated value of your Notes, see “Additional Risk Factors — TD’s Initial Estimated Value of the Notes at the Time of Pricing (When the Terms of Your Notes Were Set on the Pricing Date) is Less Than the Public Offering Price of the Notes” on page P-10 of this pricing supplement. The information in the examples also reflect the key terms and assumptions in the box below.

### Key Terms and Assumptions

|   |                             |
|---|-----------------------------|
| Principal Amount  | \$1,000                     |
| Threshold Settlement Amount   | \$1,112.80                  |
| Threshold Level   | 85.00% of the Initial Level |
| Downside Multiplier   | Approximately 1.1765        |
| Threshold Percentage  | 15.00%                      |
| 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 Constituents or the method by which the Index Sponsor calculates the Reference Asset |                             |
| Notes purchased on the Issue Date at the Principal Amount and held to the Maturity Date   |                             |

The actual performance of the Reference Asset over the life of your Notes, as well as the Payment 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 during recent periods, see “Information Regarding the Reference Asset — Historical Information” below.

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 Constituents.

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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.

| <b>Hypothetical Final Level</b>         | <b>Hypothetical Payment at Maturity</b>    |
|---|--|
| <b>(as Percentage of Initial Level)</b> | <b>(as Percentage of Principal Amount)</b> |
| 150.000%                                | 111.280%                                   |
| 140.000%                                | 111.280%                                   |
| 130.000%                                | 111.280%                                   |
| 120.000%                                | 111.280%                                   |
| 112.000%                                | 111.280%                                   |
| 108.000%                                | 111.280%                                   |
| 105.000%                                | 111.280%                                   |
| 102.000%                                | 111.280%                                   |
| 100.000%                                | 111.280%                                   |
| 95.000%                                 | 111.280%                                   |
| 90.000%                                 | 111.280%                                   |
| <b>85.000%</b>                          | <b>111.280%</b>                            |
| 84.999%                                 | 99.999%                                    |
| 75.000%                                 | 88.235%                                    |
| 50.000%                                 | 58.824%                                    |
| 25.000%                                 | 29.412%                                    |
| <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 approximately 29.412% 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 approximately 70.588% of your investment (if you purchased your Notes at a premium to 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 Payment at Maturity that we would deliver on your Notes at maturity would be equal to 111.280% 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, your potential Payment at Maturity is limited to the Threshold Settlement Amount regardless of the appreciation of the Reference Asset.

The following examples illustrate the hypothetical Payment at Maturity for each Note based on hypothetical Final Levels of the Reference Asset, calculated based on the key terms and assumptions above. The values below have been rounded for ease of analysis.

Example 1—Calculation of the Payment at Maturity where the Percentage Change is positive.

Percentage Change: 5.00%

Payment at Maturity: \$1,112.80

On a \$1,000 investment, a 5.00% Percentage Change results in a Final Level that is greater than the Threshold Level; therefore, a holder of the Notes will receive the Threshold Settlement Amount, for a Payment at Maturity of \$1,112.80, an 11.28% return on the Notes.

Example 2—Calculation of the Payment at Maturity where the Percentage Change is positive.

Percentage Change: 50.00%

Payment at Maturity: \$1,112.80

On a \$1,000 investment, a 50.00% Percentage Change results in a Final Level that is greater than the Threshold Level; therefore, a holder of the Notes will receive the Threshold Settlement Amount, for a Payment at Maturity of \$1,112.80, an 11.28% return on the Notes.

Example 3—Calculation of the Payment at Maturity where the Percentage Change is negative (but the Final Level is greater than or equal to the Threshold Level).

Percentage Change: -8.00%

\$1,112.80

Payment at Maturity:

On a \$1,000 investment, a -8.00% Percentage Change results in a Final Level that is greater than the Threshold Level; therefore, a holder of the Notes will receive the Threshold Settlement Amount, for a Payment at Maturity of \$1,112.80, an 11.28% return on the Notes.

Example 4—Calculation of the Payment at Maturity where the Percentage Change is negative (and the Final Level is less than the Threshold Level).

Percentage Change: -35.00%

Payment at Maturity:  $\$1,000 + [\$1,000 \times 1.1765 \times (-35.00\% + 15.00\%)] = \$1,000 - \$235.29 = \$764.71$

On a \$1,000 investment, a -35.00% Percentage Change results in a Final Level that is less than the Threshold Level; therefore, a holder of the Notes will receive a Payment at Maturity of \$764.71, a -23.529% return on the Notes.

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 85.00% (the section left of the 85.00% 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 85.00% (the section right of the 85.00% marker on the horizontal axis) would result in a fixed return on your 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 Payment at Maturity on the Notes 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 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 product prospectus 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 Final Level, which will 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 examples above.*

Information Regarding the Reference Asset

**The NASDAQ-100 Index®**

The NASDAQ-100 Index® includes 100 of the largest domestic and international non-financial stocks listed on The NASDAQ Stock Market based on market capitalization. The NASDAQ-100 Index® is a “price return” index and is calculated using a modified market capitalization-weighted methodology. The NASDAQ-100 Index® is calculated, maintained and published by Nasdaq, Inc. The base date for the NASDAQ-100 Index® is January 31, 1985, with a base value of 125.00, as adjusted. We have derived all information contained in this document regarding the NASDAQ-100 Index® from publicly available information. Additional information about the NASDAQ-100 Index® is available on the following website: [indexes.nasdaqomx.com/Index/Overview/NDX](http://indexes.nasdaqomx.com/Index/Overview/NDX). We are not incorporating by reference the website or any material it includes in this pricing supplement.

As of September 28, 2018, the 103 stocks included in the NASDAQ-100 Index® were classified into ten industry sectors (with the approximate percentage currently included in such sectors indicated in parentheses): Technology (55.26%), Consumer Services (24.60%), Health Care (9.27%), Consumer Goods (5.65%), Industrials (4.43%), Telecommunications (0.80%), Oil & Gas (0.00%), Basic Materials (0.00%), Utilities (0.00%) and Financials (0.00%). (Sector designations are determined by the Index Sponsor using criteria it has selected or developed. Index sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different index sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices.)

The top ten constituent stocks of the NASDAQ-100 Index® as of September 28, 2018, by weight, are: Apple Inc. (12.44%), Amazon.com Inc. (11.15%), Microsoft Corporation (10.01%), Alphabet Inc. Class C (4.76%), Facebook Inc. (4.53%), Alphabet Inc. Class A (4.12%), Cisco Systems Inc. (2.61%), Intel Corporation (2.49%), Nvidia Corporation (1.95%) and Netflix, Inc (1.86%).

**Index Stocks With Weights in Excess of 5% of the NASDAQ-100 Index® as of December 18, 2018**

Apple Inc., Amazon.com Inc., Microsoft Corporation and Alphabet Inc. are registered under the Exchange Act. Companies with stocks registered under the Exchange Act are required to file financial and other information specified by the U.S. Securities and Exchange Commission (“SEC”) periodically. Information filed with the SEC can be inspected and copied at the SEC’s public reference room located at 100 F Street, N.E., Washington, D.C. 20549, at prescribed rates. You may obtain information on the operation of the public reference room by calling the SEC at 1-800-SEC-0330. In addition, information filed by the applicable index stock issuer with the SEC electronically can be reviewed through a web site maintained by the SEC. The address of the SEC’s web site is [sec.gov](http://sec.gov). Information filed with the SEC by the applicable index stock issuer under the Exchange Act can be located by referencing its SEC file number specified below.

The graphs below, except where otherwise indicated, show the daily historical closing prices of Apple Inc., Amazon.com Inc., Microsoft Corporation and Alphabet Inc. (both the Class A common stock and the Class C common stock), the constituent stocks comprising more than 5% of the NASDAQ-100 Index®, from December 18, 2008 through December 18, 2018. We obtained the prices in the graphs below using data from Bloomberg, without independent verification. We have taken the descriptions of the index stock issuers set forth below from publicly available information without independent verification.

According to publicly available information, Apple Inc. designs, manufactures and markets mobile communication and media devices, personal computers, and portable digital music players, and sells a variety of related software,



services, peripherals, networking solutions, and third-party digital content and applications. Information filed with the SEC by the index stock issuer under the Exchange Act can be located by referencing SEC file number 001-36743 for filings on or after November 12, 2014 and SEC file number 000-10030 for filings prior to November 12, 2014.

P-17

According to publicly available information, Amazon.com Inc. is an e-commerce company. Information filed with the SEC by the index stock issuer under the Exchange Act can be located by referencing SEC file number 000-22513.

According to publicly available information, Microsoft Corporation develops, licenses and supports software products, services and devices and designs and sells hardware devices. Information filed with the SEC by the index stock issuer under the Exchange Act can be located by referencing SEC file number 001-37845 for filings on or after July 26, 2016 and SEC file number 000-14278 for filings prior to July 26, 2016.

P-18

As of December 18, 2018, the Class A common stock and the Class C common stock of Alphabet Inc. have a combined weight in the NASDAQ-100 Index of 8.99%. According to publicly available information, Alphabet Inc. is a holding company for a collection of businesses, the largest of which is Google Inc. On October 2, 2015, Alphabet Inc. became the successor SEC registrant to, and parent holding company of, Google Inc. in connection with a holding company reorganization. Information filed with the SEC by this company under the Exchange Act can be located by referencing its SEC file number 001-37580.

As of December 18, 2018, the Class A common stock of Alphabet Inc. has a weight in the NASDAQ-100 Index of 4.17%. In the graph, the vertical solid line marker reflects the date Alphabet Inc. became the successor SEC registrant to Google Inc. The historical closing prices to the left of the vertical solid line marker reflect the Class A capital stock of Google Inc. and the historical closing prices to the right of the vertical solid line marker reflect the Class A capital stock of Alphabet Inc.

P-19

As of December 18, 2018, the Class C common stock of Alphabet Inc. has a weight in the NASDAQ-100 Index of 4.82%. In the graph, the vertical solid line marker reflects the date Alphabet Inc. became the successor SEC registrant to Google Inc. The historical closing prices to the left of the vertical solid line marker reflect the Class C capital stock of Google Inc. and the historical closing prices to the right of the vertical solid line marker reflect the Class C capital stock of Alphabet Inc.

### **Construction of the NASDAQ-100 Index®**

The NASDAQ-100 Index® is a modified market capitalization-weighted index. Except under extraordinary circumstances that may result in an interim evaluation, NASDAQ-100 Index® composition is reviewed on an annual basis in December. First, Nasdaq, Inc. determines which stocks meet the applicable eligibility criteria.

#### *Selection Criteria for Initial Inclusion in the NASDAQ-100 Index®*

To be eligible for initial inclusion in the NASDAQ-100 Index®, a stock must meet the following criteria:

- the issuer of the stock's primary U.S. listing must be exclusively listed on the NASDAQ Global Select Market or the NASDAQ Global Market (unless the stock was dually listed on another U.S. market prior to January 1, 2004 and has continuously maintained such listing);
- the stock must be issued by a non-financial company. Non-financial companies are those companies that are classified under any Industry Code except 8000 according to the Industry Classification Benchmark (ICB), a product of FTSE International Limited;
- the stock may not be issued by an issuer currently in bankruptcy proceedings;
- the stock must have a minimum three-month average daily trading volume ("ADTV") of 200,000 shares (measured annually during the ranking review process). The ADTV is determined by calculating the average of the sum product of the stock's daily trading volume for each day during the previous three month period;
- if the issuer of the stock is organized under the laws of a jurisdiction outside the U.S., then such stock must have listed options on a recognized options market in the U.S. or be eligible for listed-options trading on a recognized options market in the U.S. (measured annually during the ranking review process);

the issuer of the stock may not have entered into a definitive agreement or other arrangement which would likely result in the stock no longer being eligible for inclusion in the NASDAQ-100 Index®;

the issuer of the stock may not have annual financial statements with an audit opinion that is currently withdrawn. This will be determined based upon a stock issuer's public filings with the SEC; and

the stock must have "seasoned" on Nasdaq, NYSE or NYSE Amex. Generally, a company is considered to be seasoned if it has been listed on a market for at least three full months (excluding the first month of initial listing).

Stock types generally eligible for inclusion in the NASDAQ-100 Index® are common stocks, ordinary shares, ADRs and tracking stocks. Closed-end funds, convertible debentures, exchange traded funds, limited liability companies, limited partnership interests, preferred stocks, rights, shares or units of beneficial interest, warrants, units and other derivative stocks are not eligible for inclusion in the NASDAQ-100 Index®. For purposes of NASDAQ-100 Index® eligibility criteria, if the stock is a depositary receipt representing a stock of a non-U.S. issuer, then references to the "issuer" are references to the issuer of the underlying stock. The NASDAQ-100 Index® does not contain securities of investment companies.

#### Continued Eligibility Criteria

To be eligible for continued inclusion in the NASDAQ-100 Index®, a NASDAQ-100 Index® stock must meet the following criteria:

- the issuer of the stock's primary U.S. listing must be exclusively listed on the Nasdaq Global Select Market or the Nasdaq Global Market;
- the stock must be issued by a non-financial company;
- the stock may not be issued by an issuer currently in bankruptcy proceedings;
- the stock must have an ADTV of at least 200,000 shares (measured annually during the ranking review process);
- if the issuer of the stock is organized under the laws of a jurisdiction outside the U.S., then such stock must have listed options on a recognized options market in the U.S. or be eligible for listed-options trading on a recognized options market in the U.S.;
- the issuer must have an adjusted market capitalization equal to or exceeding 0.10% of the aggregate adjusted market capitalization of the NASDAQ-100 Index® at each month-end. In the event a company does not meet this criterion for two consecutive month-ends, it is removed from the NASDAQ-100 Index® effective after the close of trading on the third Friday of the following month; and
- the issuer of the stock may not have annual financial statements with an audit opinion that is currently withdrawn.

All stocks meeting the above criteria will be considered eligible for inclusion in the NASDAQ-100 Index®. Those stocks which are found to meet the applicable eligibility criteria during the annual review are then ranked by market capitalization. While there is no minimum market capitalization requirement, inclusion will be determined based on the top 100 issuers with the largest market capitalization meeting all other eligibility requirements. Market capitalization is determined by multiplying a stock's last sale price by its total number of shares outstanding. The last sale price refers to the price at which a stock last traded during regular market hours as reported on such stock's index market, which may be the Nasdaq Official Closing Price (NOCP). The index market is the index eligible stock market for which the NASDAQ-100 Index® stock's prices are received and used by Nasdaq, Inc. for purposes of calculating the NASDAQ-100 Index®.

NASDAQ-100 Index® eligible stocks which are already in the NASDAQ-100 Index® and whose issuer is ranked in the top 100 eligible companies based on market capitalization are retained in the NASDAQ-100 Index®. An index stock issuer ranking 101 to 125 based on market capitalization will also be retained for inclusion in the NASDAQ-100 Index® if such issuer was previously ranked in the top 100 issuers as of the last annual ranking review or was added to the NASDAQ-100 Index® subsequent to the previous ranking review and continues to meet all eligibility criteria. Index stock issuers not meeting such criteria are replaced. The replacement stocks are those eligible stocks not currently in the NASDAQ-100 Index® whose issuers have the next largest market capitalization.

The data used in the process of ranking by market capitalization includes end of October market data and is updated for total shares outstanding submitted in an index stock issuer's publicly filed SEC document via the Electronic Data Gathering, Analysis and Retrieval system (EDGAR) through the end of November. If a stock is a depositary receipt, the total shares outstanding is the actual depositary shares outstanding as reported by the depositary banks.

The final list of constituents included in the NASDAQ-100 Index<sup>®</sup>, including any replacements made during the annual review, is made effective after the close of trading on the third Friday in December. Generally, the list of annual additions and deletions as a result of the annual review is publicly announced by Nasdaq, Inc. via a press release in the early part of December, in conjunction with an announcement on Nasdaq, Inc.'s website.

### **NASDAQ-100 Index<sup>®</sup> Calculation**

The discussion below describes the "price return" calculation of the NASDAQ-100 Index<sup>®</sup> As compared to the total return or notional net total return versions of the NASDAQ-100 Index<sup>®</sup>, the price return version is ordinarily calculated without regard to cash dividends on the NASDAQ-100 Index<sup>®</sup> stocks. However, all NASDAQ-100 Index<sup>®</sup> calculations reflect extraordinary cash distributions and special dividends.

The NASDAQ-100 Index<sup>®</sup> is a modified market capitalization-weighted index. The value of the NASDAQ-100 Index<sup>®</sup> equals the NASDAQ-100 Index<sup>®</sup> market value *divided* by the NASDAQ-100 Index<sup>®</sup> divisor. The overall NASDAQ-100 Index<sup>®</sup> market value is the aggregate of each NASDAQ-100 Index<sup>®</sup> stock's market value, as may be adjusted for any corporate actions. A NASDAQ-100 Index<sup>®</sup> stock's market value is determined by multiplying the last sale price by its index share weight, also known as "index shares". Index shares are equal to the total number of shares outstanding for a NASDAQ-100 Index<sup>®</sup> stock. In other words, the value of the NASDAQ-100 Index<sup>®</sup> is equal to (i) the *sum* of the *products* of (a) the index shares of each of the NASDAQ-100 Index<sup>®</sup> stocks *multiplied* by (b) each such stock's last sale price (adjusted for corporate actions, if any), *divided* by (ii) the divisor of the NASDAQ-100 Index<sup>®</sup>.

The price return NASDAQ-100 Index<sup>®</sup> divisor is calculated as the ratio of (i) the start of day market value of the NASDAQ-100 Index<sup>®</sup> *divided* by (ii) the previous day NASDAQ-100 Index<sup>®</sup> value.

If trading in a NASDAQ-100 Index<sup>®</sup> stock is halted on its primary listing market, the most recent last sale price for that stock is used for all NASDAQ-100 Index<sup>®</sup> computations until trading on such market resumes. Similarly, the most recent last sale price is used if trading in a NASDAQ-100 Index<sup>®</sup> stock is halted on its primary listing market before the market opens.

The NASDAQ-100 Index<sup>®</sup> is calculated in U.S. dollars during the U.S. market trading day based on the last sale price and are disseminated once per second from 09:30:01 until 17:16:00 ET. The closing value of the NASDAQ-100 Index<sup>®</sup> may change up until 17:15:00 ET due to corrections to the last sale price of the NASDAQ-100 Index<sup>®</sup> stocks. The official closing value of the NASDAQ-100 Index<sup>®</sup> is ordinarily disseminated at 17:16:00 ET.

### **NASDAQ-100 Index<sup>®</sup> Maintenance**

#### *Changes to NASDAQ-100 Index<sup>®</sup> Constituents*

Changes to the NASDAQ-100 Index<sup>®</sup> constituents may be made during the annual ranking review. In addition, if at any time during the year other than the annual review, it is determined that an index stock issuer no longer meets the criteria for continued inclusion in the NASDAQ-100 Index<sup>®</sup>, or is otherwise determined to have become ineligible for continued inclusion in the NASDAQ-100 Index<sup>®</sup>, it is replaced with the largest market capitalization issuer not currently in the NASDAQ-100 Index<sup>®</sup> that meets the applicable eligibility criteria for initial inclusion in the NASDAQ-100 Index<sup>®</sup>.

Ordinarily, a stock will be removed from the NASDAQ-100 Index<sup>®</sup> at its last sale price. However, if at the time of its removal the NASDAQ-100 Index<sup>®</sup> stock is halted from trading on its primary listing market and an official closing price cannot readily be determined, the NASDAQ-100 Index<sup>®</sup> stock may, in Nasdaq, Inc.'s discretion, be removed at a price of \$0.00000001 ("zero price"). This zero price will be applied to the NASDAQ-100 Index<sup>®</sup> stock after the close of the market but prior to the time the official closing value of the NASDAQ-100 Index<sup>®</sup> is disseminated.

#### *Divisor Adjustments*

The divisor is adjusted to ensure that changes in NASDAQ-100 Index<sup>®</sup> constituents either by corporate actions (that adjust either the price or shares of a NASDAQ-100 Index<sup>®</sup> stock) or NASDAQ-100 Index<sup>®</sup> participation outside of trading hours do not affect the value of the NASDAQ-100 Index<sup>®</sup>. All divisor changes occur after the close of the applicable index stock markets.

#### *Quarterly NASDAQ-100 Index<sup>®</sup> Rebalancing*

On a quarterly basis coinciding with the quarterly scheduled index shares adjustment procedures, as discussed below, the NASDAQ-100 Index<sup>®</sup> will be rebalanced if it is determined that (1) the current weight of the single NASDAQ-100 Index<sup>®</sup> stock with the largest market capitalization is greater than 24.0% of the NASDAQ-100 Index<sup>®</sup> or (2) the

collective weight of those stocks whose individual current weights are in excess of 4.5% exceeds 48.0% of the NASDAQ-100 Index<sup>®</sup>. In addition, a “special rebalancing” of the NASDAQ-100 Index<sup>®</sup> may be conducted at any time if Nasdaq, Inc. determines it necessary to maintain the integrity and continuity of the NASDAQ-100 Index<sup>®</sup>. If either one or both of the above weight distribution conditions are met upon quarterly review, or Nasdaq, Inc. determines that a special rebalancing is necessary, a weight rebalancing will be performed.

If the first weight distribution condition is met and the current weight of the single NASDAQ-100 Index<sup>®</sup> stock with the largest market capitalization is greater than 24.0%, then the weights of all stocks with current weights greater than 1.0% (“large stocks”) will be scaled down proportionately toward 1.0% until the adjusted weight of the single largest NASDAQ-100 Index<sup>®</sup> stock reaches 20.0%.

If the second weight distribution condition is met and the collective weight of those stocks whose individual current weights are in excess of 4.5% (or adjusted weights in accordance with the previous step, if applicable) exceeds 48.0% of the NASDAQ-100 Index<sup>®</sup>, then the weights of all such large stocks in that group will be scaled down proportionately toward 1.0% until their collective weight, so adjusted, is equal to 40.0%.

The aggregate weight reduction among the large stocks resulting from either or both of the rebalancing steps above will then be redistributed to those stocks with weightings of less than 1.0% (“small stocks”) in the following manner. In the first iteration, the weight of the largest small stock will be scaled upwards by a factor which sets it equal to the average NASDAQ-100 Index<sup>®</sup> weight of 1.0%. The weights of each of the smaller remaining small stocks will be scaled up by the same factor reduced in relation to each stock’s relative ranking among the small stocks such that the smaller the NASDAQ-100 Index<sup>®</sup> stock in the ranking, the less its weight will be scaled upward. This is intended to reduce the market impact of the weight rebalancing on the smallest component stocks in the NASDAQ-100 Index<sup>®</sup>.

In the second iteration of the small stock rebalancing, the weight of the second largest small stock, already adjusted in the first iteration, will be scaled upwards by a factor which sets it equal to the average NASDAQ-100 Index<sup>®</sup> weight of 1.0%. The weights of each of the smaller remaining small stocks will be scaled up by this same factor reduced in relation to each stock’s relative ranking among the small stocks such that, once again, the smaller the stock in the ranking, the less its weight will be scaled upward. Additional iterations will be performed until the accumulated increase in weight among the small stocks equals the aggregate weight reduction among the large stocks that resulted from the rebalancing in accordance with the two weight distribution conditions discussed above.

Finally, to complete the rebalancing process, once the final weighting percentages for each NASDAQ-100 Index<sup>®</sup> stock have been set, the index share weights (or index shares) will be determined anew based upon the last sale prices and aggregate capitalization of the NASDAQ-100 Index<sup>®</sup> at the close of trading on the last calendar day in February, May, August and November. Changes to the index shares will be made effective after the close of trading on the third Friday in March, June, September and December, and an adjustment to the divisor is made to ensure continuity of the NASDAQ-100 Index<sup>®</sup>. Ordinarily, new rebalanced index share weights will be determined by applying the above procedures to the current index share weights. However, Nasdaq, Inc. may, from time to time, determine rebalanced weights, if necessary, by applying the above procedure to the actual current market capitalization of the NASDAQ-100 Index<sup>®</sup> components. In such instances, Nasdaq, Inc. would announce the different basis for rebalancing prior to its implementation.

During the quarterly rebalancing, data is cutoff as of the previous month end and no changes are made to the NASDAQ-100 Index<sup>®</sup> from that cutoff until the quarterly index share change effective date, except in the case of changes due to corporate actions with an ex-date.

#### *Corporate Actions and NASDAQ-100 Index<sup>®</sup> Adjustments*

Aside from changes resulting from quarterly rebalancing, intra-quarter changes in index shares driven by corporate events can also result from a change in a NASDAQ-100 Index<sup>®</sup> stock’s total shares outstanding that is greater than



10.0%. If a stock is a depositary receipt, the total shares outstanding is the actual depositary shares outstanding as reported by the depositary banks. Changes in the price and/or index shares driven by corporate events such as stock dividends, stock splits and certain spin-offs and rights issuances are adjusted on the ex-date. Changes in total shares outstanding are determined by an index stock issuer's public filings with the SEC. If the change in total shares outstanding arising from other corporate actions is greater than or equal to 10.0%, the change is made as soon as practicable. Otherwise, if the change in total shares outstanding is less than 10.0%, then all such changes are accumulated and made effective at one time on a quarterly basis after the close of trading on the third Friday in each of March, June, September and December. The index shares are derived from the stock's total shares outstanding. The index shares are then adjusted by the same percentage amount by which the total shares outstanding have changed.

The following corporate actions will be made effective on the ex-date. If there is no ex-date announced by the index exchange, there will be no adjustment to the NASDAQ-100 Index<sup>®</sup> as a result of a corporate action.

*Stock Split and Stock Dividend.* A stock split and stock dividend is the action of a NASDAQ-100 Index<sup>®</sup> stock in increasing its index shares and decreasing the par value proportionately. There is no flow of capital into or out of the company. The number of index shares in the NASDAQ-100 Index<sup>®</sup> increases but the market capitalization of the stock

remains unchanged. The price of the NASDAQ-100 Index<sup>®</sup> stock is adjusted to reflect the ratio of a stock split and stock dividend and a corresponding inverse adjustment to the index shares is made.

*Reverse Stock Split.* A reverse stock split is the action of a NASDAQ-100 Index<sup>®</sup> stock in decreasing its index shares and decreasing the par value in proportion. There is no flow of capital into or out of the company. The number of index shares in the NASDAQ-100 Index<sup>®</sup> decreases but the market capitalization of the stock remains unchanged. The price of the NASDAQ-100 Index<sup>®</sup> stock is adjusted to reflect the ratio of the reverse stock split and a corresponding inverse adjustment to the index shares is made.

*Special Cash Dividends.* A dividend is considered “special” if the information provided by the listing exchange in their announcement of the ex-date indicates that the dividend is special. Other nomenclature for a special dividend may include, but is not limited to, “extra”, “extraordinary”, “non-recurring”, “one-time” and “unusual”. The price of the NASDAQ-100 Index<sup>®</sup> stock in the NASDAQ-100 Index<sup>®</sup> is adjusted for the amount of the special cash dividend.

*Cash and Stock Dividends.* If a NASDAQ-100 Index<sup>®</sup> stock is paying a cash and stock dividend on the same date, the cash dividend is applied *before* the stock dividend unless otherwise indicated in the information provided by the index exchange. Additionally, in the case of an optional dividend which allows the holder to choose between receiving cash or stock, the adjustment will be made in the manner in which the dividend has been announced by the index exchange.

*Stock Distribution of Another Stock.* If a NASDAQ-100 Index<sup>®</sup> stock is distributing shares of a different stock, the value of the NASDAQ-100 Index<sup>®</sup> stock will be adjusted downward to reflect the ratio of the distribution. There is no adjustment to index shares. If the stock being distributed is another class of common shares of the same issuer, the value of the existing NASDAQ-100 Index<sup>®</sup> stock will be adjusted downward to reflect the ratio of the distribution with no adjustment to index shares, and the new class of shares may be added to the NASDAQ-100 Index<sup>®</sup> on a pro-rata basis.

*Spin-offs.* If a NASDAQ-100 Index<sup>®</sup> stock is spinning off a stock, the value of the NASDAQ-100 Index<sup>®</sup> stock will be adjusted downward to reflect the ratio of the distribution. There is no adjustment to index shares. If a when-issued market is established for the spin-off company, the price of the NASDAQ-100 Index<sup>®</sup> stock is adjusted downward by the value of the spinoff. The value of the spin-off is determined by multiplying the spin-off ratio by the when-issued price. In the event the value of the spinoff has not been established as indicated above then no price adjustment is made to the NASDAQ-100 Index<sup>®</sup> stock. The new stock resulting from the spin-off transaction is not added to the NASDAQ-100 Index<sup>®</sup>.

*Rights Offerings.* The price of a NASDAQ-100 Index<sup>®</sup> stock is adjusted on the ex-date for rights offerings if the rights are transferable and the offering has a subscription price on an equivalent per share basis that is less than the closing price of the underlying stock (the NASDAQ-100 Index<sup>®</sup> stock the right entitles a holder to purchase) on the day prior to the ex-date. The price of the NASDAQ-100 Index<sup>®</sup> stock is adjusted downward for the value of the right. The value of the right is equal to (1) (i) the previous last sale price of the underlying stock *minus* (ii) the *sum* of (a) the subscription price of the right *plus* (b) the cash dividend of the underlying stock, if any, *divided* by (2) the number of rights required to purchase one share *plus* one.

Corporate actions are implemented in the NASDAQ-100 Index<sup>®</sup> in accordance with the NASDAQ-100 Index<sup>®</sup> maintenance rules discussed above. The divisor will also be adjusted as a result of corporate actions that adjust either the price or shares of a NASDAQ-100 Index<sup>®</sup> stock. Nasdaq, Inc. will make announcements prior to the effective date of any corporate actions.

In the case of mergers and acquisitions, the index stock issuer may be removed the day following the shareholder vote or the expected expiration of the tender offer, provided the acquisition is not contested. In the event the acquisition is

contested, the removal of the NASDAQ-100 Index<sup>®</sup> stock will occur as soon as reasonably practicable, once results have been received indicating that the acquisition will likely be successful.

If a company files for bankruptcy, the NASDAQ-100 Index<sup>®</sup> stock or stocks of the issuer will be removed from the NASDAQ-100 Index<sup>®</sup> as soon as practicable thereafter. The value of the NASDAQ-100 Index<sup>®</sup> stock will be considered \$0.00000001 if no other applicable price can be observed on the Nasdaq Global Select Market or the Nasdaq Global Market.

#### *Discretionary Adjustments*

In addition to the above, Nasdaq, Inc. may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure NASDAQ-100 Index<sup>®</sup> integrity, including, but not limited to, changes to quantitative inclusion criteria. Nasdaq, Inc. may also, due to special circumstances, if deemed essential, apply discretionary adjustments to ensure and maintain the quality of the NASDAQ-100 Index<sup>®</sup> construction and calculation.

#### *Market Disruption Events*

If a NASDAQ-100 Index<sup>®</sup> stock does not trade on its primary listing market on a given day or such index market has not opened for trading, the most recent last sale price from the index market (adjusted for corporate actions, if any) is

used. If a NASDAQ-100 Index<sup>®</sup> stock is halted from trading on its index market during the trading day, the most recent last sale price is used until trading resumes.

#### *Corrections and Calculations*

The closing value of the NASDAQ-100 Index<sup>®</sup> may change up until 17:15:00 ET due to corrections to the last sale price of the NASDAQ-100 Index<sup>®</sup> stocks. In the event that a change has been made to the NASDAQ-100 Index<sup>®</sup> intraday, Nasdaq, Inc. will make an announcement describing such change. In the event a NASDAQ-100 Index<sup>®</sup> calculation has been corrected retroactively, an announcement will be provided.

#### *License Agreement between Nasdaq, Inc. and GS Finance Corp.*

The Product(s) is not sponsored, endorsed, sold or promoted by NASDAQ, Inc. or its affiliates (NASDAQ, with its affiliates, are referred to as the “Corporations”). The Corporations have not passed on the legality or suitability of, or the accuracy or adequacy of descriptions and disclosures relating to, the Product(s). The Corporations make no representation or warranty, express or implied to the owners of the Product(s) or any member of the public regarding the advisability of investing in securities generally or in the Product(s) particularly, or the ability of the NASDAQ-100<sup>®</sup> Index to track general stock market performance. The Corporations’ only relationship to GS Finance Corp. (“Licensee”) is in the licensing of the Nasdaq NASDAQ-100 Index<sup>®</sup>, and certain trade names of the Corporations and the use of the NASDAQ-100 Index<sup>®</sup> which is determined, composed and calculated by NASDAQ without regard to Licensee or the Product(s). NASDAQ has no obligation to take the needs of the Licensee or the owners of the Product(s) into consideration in determining, composing or calculating the NASDAQ-100 Index<sup>®</sup>. The Corporations are not responsible for and have not participated in the determination of the timing of, prices at, or quantities of the Product(s) to be issued or in the determination or calculation of the equation by which the Product(s) is to be converted into cash. The Corporations have no liability in connection with the administration, marketing or trading of the Product(s).

The Corporations do not guarantee the accuracy and/or uninterrupted calculation of Nasdaq-100 Index<sup>®</sup> or any data included therein. The Corporations make no warranty, express or implied, as to results to be obtained by Licensee, owners of the product(s), or any other person or entity from the use of the Nasdaq-100 Index<sup>®</sup> or any data included therein. The Corporations make no express or implied warranties, and expressly disclaim all warranties of merchantability or fitness for a particular purpose or use with respect to the Nasdaq-100 Index<sup>®</sup> or any data included therein. Without limiting any of the foregoing, in no event shall the Corporations have any liability for any lost profits or special, incidental, punitive, indirect, or consequential damages, even if notified of the possibility of such damages.

#### **License Agreement**

We have entered into a non-exclusive license agreement with NASDAQ, Inc., which grants us a license in exchange for a fee to use the NASDAQ-100 Index<sup>®</sup> in connection with the issuance of certain securities, including the Notes.

The Notes are not sponsored, endorsed, sold or promoted by NASDAQ, Inc. or its affiliates (NASDAQ, with its affiliates, are referred to as the “Corporations”). The Corporations have not passed on the legality or suitability of, or the accuracy or adequacy of descriptions and disclosures relating to, the Notes. The Corporations make no representation or warranty, express or implied to the owners of the Notes or any member of the public regarding the advisability of investing in Notes generally or in the Notes particularly, or the ability of the NASDAQ-100 Index<sup>®</sup> to track general stock market performance. The Corporations’ only relationship to TD (“Licensee”) is in the licensing of the NASDAQ-100<sup>®</sup>, NASDAQ-100 Index<sup>®</sup>, and NASDAQ<sup>®</sup> trademarks or service marks, and certain trade names of the

Corporations and the use of the NASDAQ-100 Index<sup>®</sup> which is determined, composed and calculated by the Corporations without regard to Licensee or the Notes. The Corporations have no obligation to take the needs of the Licensee or the owners of the Notes into consideration in determining, composing or calculating the NASDAQ-100 Index<sup>®</sup>. The Corporations are not responsible for and have not participated in the determination of the timing of, prices at, or quantities of the Notes to be issued or in the determination or calculation of the equation by which the Notes is to be converted into cash. The Corporations have no liability in connection with the administration, marketing or trading of the Notes.

**The corporations do not guarantee the accuracy and/or uninterrupted calculation of the NASDAQ-100 Index<sup>®</sup> or any data included therein. The corporations make no warranty, express or implied, as to results to be obtained by licensee, owners of the Notes, or any other person or entity from the use of the NASDAQ -100 Index<sup>®</sup> or any data included therein. The corporations make no express or implied warranties, and expressly disclaim all warranties of merchantability or fitness for a particular purpose or use with respect to the NASDAQ -100 Index<sup>®</sup> or any data included therein. Without limiting any of the foregoing, in no event shall the corporations have any liability for any lost profits or special, incidental, punitive, indirect, or consequential damages, even if notified of the possibility of such damages.**

P-25

### **Historical Information**

The graph below shows the daily historical Closing Levels of the Reference Asset from December 20, 2008 through December 20, 2018. The dotted line represents the Threshold Level of 5,306.71575, which is equal to 85.00% of the Closing Level of the Reference Asset on December 20, 2018. We obtained the information regarding the historical performance of the Reference Asset in the graph below from Bloomberg.

We have not independently verified the accuracy or completeness of the information obtained from Bloomberg. 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.

*PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.*

Supplemental Discussion of U.S. Federal Income Tax Consequences

**The U.S. federal income tax consequences of your investment in the Notes are uncertain. No statutory, regulatory, judicial or administrative authority directly discusses how the Notes should be treated for U.S. federal income tax purposes. Some of these tax consequences are summarized below, but we urge you to read the more detailed discussion under “Supplemental Discussion of U.S. Federal Income Tax Consequences” in the product prospectus supplement and discuss the tax consequences of your particular situation with your tax advisor. This discussion is based upon the Internal Revenue Code of 1986, as amended (the “Code”), final, temporary and proposed U.S. Treasury Department (the “Treasury”) regulations, rulings and decisions, in each case, as available and in effect as of the date hereof, all of which are subject to change, possibly with retroactive effect. Tax consequences under state, local and non-U.S. laws are not addressed herein. No ruling from the U.S. Internal Revenue Service (the “IRS”) has been sought as to the U.S. federal income tax consequences of your investment in the Notes, and the following discussion is not binding on the IRS.**

*U.S. Tax Treatment.* Pursuant to the terms of the Notes, TD and you agree, in the absence of a statutory or regulatory change or an administrative determination or judicial ruling to the contrary, to characterize your Notes as prepaid derivative contracts with respect to the Reference Asset. If your Notes are so treated, you should generally recognize gain or loss upon the taxable disposition 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. Such gain or loss should generally be long-term capital gain or loss if you have held your Notes for more than one year (otherwise such gain or loss should be short-term capital gain or loss if held for one year or less). The deductibility of capital losses is subject to limitations.

Based on certain factual representations received from us, our special U.S. tax counsel, Cadwalader, Wickersham & Taft LLP, is of the opinion that 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 and adversely from the treatment described above, as described further under “Supplemental Discussion of U.S. Federal Income Tax Consequences — Alternative Treatments” of the product prospectus supplement.

Except to the extent otherwise required by law, TD intends to treat your Notes for U.S. federal income tax purposes in accordance with the treatment described above and under “Supplemental Discussion of U.S. Federal Income Tax Consequences” of the product prospectus supplement, unless and until such time as the Treasury and the IRS determine that some other treatment is more appropriate.

*Section 1297.* We will not attempt to ascertain whether any of the Reference Asset Constituent Issuers would be treated as a “passive foreign investment company” (“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 upon the taxable disposition 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.

*Notice 2008-2.* In 2007, 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 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 are also considering other relevant issues, including whether additional gain or loss from such instruments should be treated as ordinary or capital, whether non-U.S. 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. Both U.S. and

non-U.S. holders are urged to consult their tax advisors concerning the significance, and the potential impact, of the above considerations on their investments in the Notes.

*Medicare Tax on Net Investment Income.* U.S. holders that are individuals, 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. The 3.8% Medicare tax is determined in a different manner than the regular income tax. You should consult your tax advisor as to the consequences of the 3.8% Medicare tax to your investment in the Notes.

P-27



*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 an applicable threshold. Significant penalties can apply if a U.S. holder is required to disclose its Notes and fails to do so.

*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, subject to Section 871(m) of the Code and FATCA, as discussed below, 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 non-U.S. status including providing us (and/or the applicable withholding agent) a properly executed and fully completed applicable IRS Form W-8. Subject to Section 871(m) of the Code and Section 897 of the Code, as discussed below, gain from the taxable disposition of the Notes generally should not be subject to U.S. tax unless (i) such gain is effectively connected with a trade or business conducted by you in the U.S., (ii) you are a non-resident alien individual and are present in the U.S. for 183 days or more during the taxable year of such taxable disposition and certain other conditions are satisfied or (iii) you have certain other present or former connections with the U.S.

*Section 897.* We will not attempt to ascertain whether any Reference Asset Constituent Issuer would be treated as a “United States real property holding corporation” (a “USRPHC”) within the meaning of Section 897 of the Code. We also have not attempted to determine whether the Notes should be treated as “United States real property interests” (“USRPI”) as defined in Section 897 of the Code. If any such entity or the Notes were so treated, certain adverse U.S. federal income tax consequences could possibly apply, including subjecting any gain to a non-U.S. holder in respect of a Note upon a taxable disposition of the Note to U.S. federal income tax on a net basis, and the proceeds from such a taxable disposition to a 15% withholding tax. You should consult your tax advisor regarding the potential treatment of any such entity as a USRPHC and the Notes as USRPI.

*Section 871(m).* A 30% withholding tax (which may be reduced by an applicable income tax treaty) is imposed under Section 871(m) of the Code on certain “dividend equivalents” paid or deemed paid to a non-U.S. holder with respect to a “specified equity-linked instrument” that references one or more dividend-paying U.S. equity securities or indices containing U.S. equity securities. The withholding tax can apply even if the instrument does not provide for payments that reference dividends. Treasury regulations provide that the withholding tax applies to all dividend equivalents paid or deemed paid on specified equity-linked instruments that have a delta of one (“delta-one specified equity-linked instruments”) issued after 2016 and to all dividend equivalents paid or deemed paid on all other specified equity-linked instruments issued after 2018. However, the IRS has issued guidance that states that the Treasury and the IRS intend to amend the effective dates of the Treasury regulations to provide that withholding on dividend equivalents paid or deemed paid will not apply to specified equity-linked instruments that are not delta-one specified equity-linked instruments and are issued before January 1, 2021.

Based on our determination that the Notes are not “delta-one” with respect to the Reference Asset or any U.S. Reference Asset Constituent, our counsel is of the opinion that the Notes should not be delta-one specified equity-linked instruments and thus should not be subject to withholding on dividend equivalents. Our determination is not binding on the IRS, and the IRS may disagree with this determination. Furthermore, the application of Section 871(m) of the Code will depend on our determinations made upon issuance of the Notes. If withholding is required, we will not make payments of any additional amounts.

Nevertheless, after issuance, it is possible that your Notes could be deemed to be reissued for tax purposes upon the occurrence of certain events affecting the Reference Asset, any Reference Asset Constituent or your Notes, and following such occurrence your Notes could be treated as delta-one specified equity-linked instruments that are subject to withholding on dividend equivalents. It is also possible that withholding tax or other tax under Section 871(m) of the Code could apply to the Notes under these rules if you enter, or have entered, into certain other transactions in respect of the Reference Asset, any Reference Asset Constituent or the Notes. If you enter, or have entered, into other transactions in respect of the Reference Asset, any Reference Asset Constituent or the Notes, you should consult your tax advisor regarding the application of Section 871(m) of the Code to your Notes in the context of your other transactions.

P-28

**Because of the uncertainty regarding the application of the 30% withholding tax on dividend equivalents to the Notes, you are urged to consult your tax advisor regarding the potential application of Section 871(m) of the Code and the 30% withholding tax to an investment in the Notes.**

*Foreign Account Tax Compliance Act.* The Foreign Account Tax Compliance Act (“FATCA”) was enacted on March 18, 2010, and imposes a 30% U.S. withholding tax on “withholdable payments” (i.e., certain U.S.-source payments, including interest (and original issue discount), dividends, other fixed or determinable annual or periodical income, and the gross proceeds from a disposition of property of a type that can produce U.S.-source interest or dividends) and “passthru payments” (i.e., certain payments attributable to withholdable payments) made to certain foreign financial institutions (and certain of their affiliates) unless the payee foreign financial institution agrees (or is required), among other things, to disclose the identity of any U.S. individual with an account at the institution (or the relevant affiliate) and to annually report certain information about such account. FATCA also requires withholding agents making withholdable payments to certain foreign entities that do not disclose the name, address, and taxpayer identification number of any substantial U.S. owners (or do not certify that they do not have any substantial U.S. owners) to withhold tax at a rate of 30%. Under certain circumstances, a holder may be eligible for refunds or credits of such taxes.

Pursuant to final and temporary Treasury regulations and other IRS guidance, the withholding and reporting requirements under FATCA will generally apply to certain “withholdable payments” made on or after July 1, 2014, will not apply to gross proceeds on a sale or disposition, and will apply to certain foreign passthru payments only to the extent that such payments are made after the date that is two years after final regulations defining the term “foreign passthru payment” are published. If withholding is required, we (or the applicable paying agent) will not be required to pay additional amounts with respect to the amounts so withheld. Foreign financial institutions and non-financial foreign entities located in jurisdictions that have an intergovernmental agreement with the U.S. governing FATCA may be subject to different rules.

Investors should consult their tax advisors about the application of FATCA, in particular if they may be classified as financial institutions (or if they hold their Notes through a non-U.S. entity) under the FATCA rules

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 (or the applicable withholding agent) will withhold tax at the applicable statutory rate and we will not make payments of any additional amounts.

*Proposed Legislation.* 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.

Furthermore, in 2013, the House Ways and Means Committee released in draft form certain proposed legislation relating to financial instruments. If it had been enacted, the effect of this legislation generally would have been 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 whether any similar or identical bills will be enacted in the future, or whether any such bill would affect the tax treatment of your Notes. You are urged to consult your tax advisor regarding the possible changes in law and their possible impact on the tax treatment of your Notes.

**Both U.S. and non-U.S. holders are urged to 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 TD and those of the Reference Asset Constituent Issuers).**



### **Supplemental Plan of Distribution (Conflicts of Interest)**

We have appointed TDS, an affiliate of TD, as the agent for the sale of the Notes. Pursuant to the terms of a distribution agreement, TDS will purchase the Notes from TD at the public offering price less any underwriting discount set forth on the cover page of this pricing supplement for distribution to other registered broker-dealers, or has offered the Notes directly to investors. The public offering price for Notes purchased by certain fee-based advisory accounts is \$989.10 (98.91%) per Note, which reflects a foregone underwriting discount with respect to such notes (i.e., the underwriting discount specified on the cover of this pricing supplement with respect to such notes is 0.00%). TD will reimburse TDS for certain expenses in connection with its role in the offer and sale of the Notes, and TD will pay TDS a fee in connection with its role in the offer and sale of the Notes.

Delivery of the Notes will be made against payment for the Notes on December 28, 2018, which is the fourth (4th) Business Day following the Pricing Date (this settlement cycle being referred to as “T+4”). Under Rule 15c6-1 of the Securities Exchange Act of 1934, as amended, trades in the secondary market generally are required to settle in two Business Days (“T+2”), unless the parties to any such trade expressly agree otherwise. Accordingly, purchasers who wish to trade the Notes more than two Business Days prior to the Issue Date will be required to specify alternative settlement arrangements to prevent a failed settlement.

*Conflicts of Interest.* TDS is an affiliate of TD and, as such, has a “conflict of interest” in this offering within the meaning of Financial Industry Regulatory Authority, Inc. (“FINRA”) Rule 5121. In addition, TD will receive the net proceeds from the initial public offering of the Notes, thus creating an additional conflict of interest within the meaning of FINRA Rule 5121. Consequently, the offering is being conducted in compliance with the provisions of FINRA Rule 5121. TDS is not 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.

We, TDS or any of our affiliates may use this pricing supplement in the initial sale of the Notes. In addition, we, TDS or any of our affiliates may use this pricing supplement in a market-making transaction in a Note after its initial sale. ***If a purchaser buys the Notes from us, TDS or any of our affiliates, this pricing supplement is being used in a market-making transaction unless we, TDS or any of our affiliates informs such purchaser otherwise in the confirmation of sale.***

### **Prohibition of Sales to EEA Retail Investors**

The Notes are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the European Economic Area (“EEA”). For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU, as amended (“MiFID II”); (ii) a customer within the meaning of Directive 2002/92/EC, as amended, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (iii) not a qualified investor as defined in Directive 2003/71/EC, as amended. Consequently no key information document required by Regulation (EU) No 1286/2014, as amended (the “PRIIPs Regulation”), for offering or selling the Notes or otherwise making them available to retail investors in the EEA has been prepared and therefore offering or selling the Notes or otherwise making them available to any retail investor in the EEA may be unlawful under the PRIIPs Regulation.

## Events of Default

The indenture provides holders of Notes with remedies if we fail to perform specific obligations, such as making payments on the Notes, or if we become bankrupt. Holders should review the applicable provisions and understand which of our actions would trigger an event of default and which actions would not.

Under the indenture, “event of default” means any of the following:

we default in the payment of the principal of or interest on, as applicable, any note of that series and, in each case, the default continues for a period of 30 Business Days; or  
we become insolvent or bankrupt or subject to the provisions of the Winding-up and Restructuring Act (Canada), or any statute hereafter enacted in substitution therefor, as such act, or substituted act, may be amended from time to time, (ii) we go into liquidation, either voluntary or under an order of a court of competent jurisdiction or (iii) we pass a resolution for our winding-up, liquidation or dissolution (with certain exceptions).

The indenture permits the issuance of notes in one or more series, and, in many cases, whether an event of default has occurred is determined on a series by series basis. For purposes of this section, with respect to notes issued on or after September 23, 2018, “series” refers to notes having identical terms, except as to issue date, principal amount and, if applicable, the date from which interest begins to accrue.

The indenture provides that:

if an event of default due to the default in payment of principal of or, if applicable, any premium or interest on, any series of senior notes issued under the indenture, or due to any event of default referred to in the last bullet above applicable to the senior notes of that series but not applicable to all outstanding senior notes issued under the indenture, occurs and is continuing, either the trustee or the holders of not less than 25% in aggregate principal amount of the outstanding senior notes of each affected series, voting as a single class, by notice in writing to TD, may declare the principal of (or such other amount as may be specified) all senior notes of each affected series and, if applicable, interest accrued thereon to be due and payable immediately; and  
if an event of default due to specified events of bankruptcy, insolvency, winding up or liquidation of TD, occurs and is continuing, either the trustee or the holders of not less than 25% in aggregate principal amount of all outstanding senior notes issued under the senior debt indenture, treated as one class, by notice in writing to TD may declare the principal of (or such other amount as may be specified) all those senior notes and, if applicable, interest accrued thereon to be due and payable immediately.

### *Annulment of Acceleration and Waiver of Defaults.*

In some circumstances, if any and all events of default under the indenture, other than the non-payment of the principal of the securities that has become due as a result of an acceleration, have been cured, waived or otherwise remedied, then the holders of a majority in aggregate principal amount of all series of outstanding senior notes affected, voting as one class, may annul past declarations of acceleration of or waive past defaults of the senior notes.

### *Differences in Events of Default*

Notes issued by us prior to September 23, 2018, such as the Series A notes and the Series B notes, contain events of default that are different from those set forth above. In particular, the events of default applicable to the Series A notes and the Series B notes do not provide for a 30-business-day cure period with respect to any failure by us to pay the principal of or, if applicable, interest on those senior notes. Accordingly, if we fail to pay the principal of any series of Series A notes or Series B notes when due, the holders of such notes would be entitled to declare their securities due and payable following a 7-day cure period, whereas holders of Series C notes, Series D notes or Series E notes would not be entitled to accelerate the notes until 30 Business Days after our failure to pay the principal of the notes. In addition, if we fail to pay, if applicable, interest on any series of Series A notes or Series B notes when due, the holders of such notes would be entitled to declare their securities due and payable following a 30-calendar day cure

period, whereas holders of Series C notes, Series D notes or Series E notes would not be entitled to accelerate the notes until 30 Business Days after our failure to pay, if applicable, the interest on the notes.

P-31

## Validity of the Notes

In the opinion of Cadwalader, Wickersham & Taft LLP, as special products counsel to TD, when the Notes offered by this pricing supplement have been executed and issued by TD and authenticated by the trustee pursuant to the indenture and delivered, paid for and sold as contemplated herein, the Notes will be valid and binding obligations of TD, enforceable against TD in accordance with their terms, subject to applicable bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium, receivership or other laws relating to or affecting creditors' rights generally, and to general principles of equity (regardless of whether enforcement is sought in a proceeding at law or in equity). This opinion is given as of the date hereof and is limited to the laws of the State of New York. Insofar as this opinion involves matters governed by Canadian law, Cadwalader, Wickersham & Taft LLP has assumed, without independent inquiry or investigation, the validity of the matters opined on by McCarthy Tétrault LLP, Canadian legal counsel for TD, in its opinion expressed below. In addition, this opinion is subject to customary assumptions about the trustee's authorization, execution and delivery of the indenture and, with respect to the Notes, authentication of the Notes and the genuineness of signatures and certain factual matters, all as stated in the opinion of Cadwalader, Wickersham & Taft LLP dated May 31, 2016 which has been filed as Exhibit 5.3 to the registration statement on form F-3 filed by the Bank on May 31, 2016.

In the opinion of McCarthy Tétrault LLP, the issue and sale of the Notes has been duly authorized by all necessary corporate action on the part of TD, and when this pricing supplement has been attached to, and duly notated on, the master note that represents the Notes, the Notes will have been validly executed and issued and, to the extent validity of the Notes is a matter governed by the laws of the Province of Ontario, or the laws of Canada applicable therein, will be valid obligations of TD, subject to the following limitations: (i) the enforceability of the indenture is subject to bankruptcy, insolvency, reorganization, arrangement, winding up, moratorium and other similar laws of general application limiting the enforcement of creditors' rights generally; (ii) the enforceability of the indenture is subject to general equitable principles, including the fact that the availability of equitable remedies, such as injunctive relief and specific performance, is in the discretion of a court; (iii) courts in Canada are precluded from giving a judgment in any currency other than the lawful money of Canada; and (iv) the enforceability of the indenture will be subject to the limitations contained in the Limitations Act, 2002 (Ontario), and such counsel expresses no opinion as to whether a court may find any provision of the indenture to be unenforceable as an attempt to vary or exclude a limitation period under that Act. This opinion is given as of the date hereof and is limited to the laws of the Provinces of Ontario and the federal laws of Canada applicable thereto. In addition, this opinion is subject to: (i) the assumption that the senior indenture has been duly authorized, executed and delivered by, and constitutes a valid and legally binding obligation of, the trustee, enforceable against the trustee in accordance with its terms; and (ii) customary assumptions about the genuineness of signatures and certain factual matters all as stated in the letter of such counsel dated May 31, 2016, which has been filed as Exhibit 5.2 to the registration statement on form F-3 filed by TD on May 31, 2016.