# Gradient Investments, LLC: Structured Note Addendum to Investment Proposal & Contract

Portfolio:	Designed Income	CUSIP:		06376ETC6		
Description:	Autocallable Barrier Note	Underwriter:		ВМО		
Index (Indices):	Lesser of S&P 500, Dow Jones I	dustrial, and Nasdaq 100 index				
Type of Protection:	Barrier	Level of Prote	ection:	40%		
Callable Offering:	Yes (no call for 1 year)	Cap: N/A		Participation Rate:	N/A	
Call Feature:	Auto Call	Maturity Length:		36 mos		
Coupon Rate and Frequency:	7.65% / Monthly	Coupon Barrier:		40%		
Funding Deadline Date:	8/12/2025	Execution Date:		8/15/2025		
Valuation Date:	8/16/2028	Settlement Date:		8/21/2028		

- 1. The final cap rate or coupon rate will be determined on the execution date and will be disclosed on the final prospectus. Final rates will be at or above the stated levels and dependent on market conditions during the offering period.
- 2. Liquidations prior to maturity are completed at the current net asset value (NAV) and are subject to a custodial liquidation charge. This charge is currently \$1 per unit with a minimum of \$10 and a maximum of \$250.
- 3. Structured notes intra-period pricing may not correlate with the price return of the index.
- 4. Structured notes are subject to the credit risk of the underwriter.
- 5. Structured notes that use lesser performing return for multiple indices dictates that performance of the offering will be based on the index that provides the lesser of return during the pre-determined timeframe.
- 6. Structured notes that use dual directional structures dictate that if index performance is negative, but not below the buffer level, the return will be the absolute value (or inverse) of the index return.
- 7. Structured notes may use barrier or buffered levels of protection. If the value of the index is below the threshold at the observation date, the investor may participate in loss. With a buffer, the investor participates in loss 1 for 1 after the buffered level of protection. With a barrier, the investor participates in the FULL decline of the index if below the barrier level.
- 8. Structured notes that pay coupons may be subject to coupon barriers. If the index value is at or above the stated threshold, the coupon payment is made. If the index value is below the stated threshold, the coupon is forfeited.
- 9. Structured notes may be subject to a call provision. Auto callable notes are subject to mandatory call if pre-determined criteria are met. Issuer callable notes can be called at issuer discretion. Notes with call features are only callable on observation dates listed in the prospectus. If called, the position expires, and full principal is returned.
- 10. If demand for the offering size is not met, the offering is subject to cancellation.
- 11. Investments in structured products must be limited to 45% of a client's liquid net worth.
- 12. Structured notes that use 100% principal protection will be treated as ordinary income. Investors may be required to pay a portion of tax before maturity, even if they have not received any cash payments.

	Check box if client is currently	invested in a matured	/called structured note	and using proceeds i	n the current offering

Account #	# Sleeve # (if applicable)	Account Type	Account Balance to Invest	
			☐ Full	☐ Partial \$
			☐ Full	☐ Partial \$
			☐ Full	☐ Partial \$

By signing below, the client acknowledges receipt of this structured note pre-pricing document. In addition, client acknowledges the investment outcome terms and risks involved with structured notes as spelled out in the pricing documents.

The client also acknowledges that their investment in structured notes, in aggregate, is no more than 45% of their Liquid Net Worth. Liquid Net Worth is defined as net worth minus assets that cannot be quickly and easily converted into cash, including but not limited to, real estate, business equity, personal property, automobiles, expected inheritances, assets earmarked for other purposes, and investments or accounts subject to substantial penalties, fees or charges due to early sale or withdrawal.

Accepted and agreed to as of:

Client Name: \_\_\_\_\_\_ Signature: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

2<sup>nd</sup> Client Name: \_\_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_\_

## Subject to Completion, dated July 16, 2025

Pricing Supplement to the Prospectus dated March 25, 2025, the Prospectus Supplement dated March 25, 2025 and the Product Supplement dated March 25, 2025



#### US\$ [ ]

## Senior Medium-Term Notes, Series K

## Autocallable Barrier Notes with Contingent Coupons due August 21, 2028

## Linked to the Least Performing of the S&P 500® Index and the NASDAQ-100 Index® and the Dow Jones Industrial Average®

- The notes are designed for investors who are seeking monthly contingent periodic interest payments (as described in more detail below), as well as a return of principal if the closing level of each of the S&P 500® Index and the NASDAQ-100 Index® and the Dow Jones Industrial Average® (each, a "Reference Asset" and, collectively, the "Reference Assets") on any monthly Observation Date beginning in August 2026 is greater than 100% of its Initial Level (the "Call Level"). Investors should be willing to have their notes automatically redeemed prior to maturity, be willing to forego any potential to participate in any increase in the level of the Reference Assets and be willing to lose some or all of their principal at maturity.
- The notes will pay a Contingent Coupon on each Contingent Coupon Payment Date at the Contingent Interest Rate of 0.6375% per month (approximately 7.65% per annum) if the closing level of each Reference Asset on the applicable monthly Observation Date is greater than or equal to its Coupon Barrier Level. However, if the closing level of any Reference Asset is less than its Coupon Barrier Level on an Observation Date, the notes will not pay the Contingent Coupon for that Observation Date.
- Beginning on August 18, 2026, if on any Observation Date, the closing level of each Reference Asset is greater than its Call Level, the notes will be automatically redeemed. On the following Contingent Coupon Payment Date (the "Call Settlement Date"), investors will receive their principal amount plus the Contingent Coupon otherwise due. After the notes are redeemed, investors will not receive any additional payments in respect of the notes.
- The notes do not guarantee any return of principal at maturity. Instead, if the notes are not automatically redeemed, the payment at maturity will be based on the Final Level of each Reference Asset and whether the Final Level of any Reference Asset has declined from its Initial Level to below its Trigger Level on the Valuation Date (a "Trigger Event"), as described below.
- If the notes are not automatically redeemed and a Trigger Event has occurred, investors will lose 1% of the principal amount for each 1% decrease in the level of the Least Performing Reference Asset from its Initial Level to its Final Level. In such a case, you will receive a cash amount at maturity that is less than the principal amount, together with the final Contingent Coupon, if payable.
- Investing in the notes is not equivalent to a hypothetical direct investment in the Reference Assets.
- The notes will not be listed on any securities exchange.
- All payments on the notes are subject to the credit risk of Bank of Montreal.
- The notes will be issued in minimum denominations of \$1,000 and integral multiples of \$1,000.
- Our subsidiary, BMO Capital Markets Corp. ("BMOCM"), is the agent for this offering. See "Supplemental Plan of Distribution (Conflicts of Interest)" below.
- The notes will not be subject to conversion into our common shares or the common shares of any of our affiliates under subsection 39.2(2.3) of the Canada Deposit Insurance Corporation Act (the "CDIC Act").

## Terms of the Notes:1

Pricing Date:August 15, 2025Valuation Date:August 16, 2028Settlement Date:August 20, 2025Maturity Date:August 21, 2028

## **Specific Terms of the Notes:**

Autocallable Number	Reference Assets	Ticker Symbol	Initial Level	Contingent Interest Rate	Coupon Barrier Level	Trigger Level	CUSIP	Principal Amount	Price to Public <sup>1</sup>	Agent's Commission <sup>1</sup>	Proceeds to Bank of Montreal <sup>1</sup>
	The S&P 500® Index	SPX	[]	0.6375% per month (approximately 7.65% per annum)	[], 60.00% of its Initial Level	[], 60.00% of its Initial Level	06376ETC6	[] 10		Up to 0.15%	At least 99.85% []
5143	The NASDAQ- 100 Index®	NDX	[]		[], 60.00% of its Initial Level	[], 60.00% of its Initial Level			100%		
	The Dow Jones Industrial Average®	INDU	[]		[], 60.00% of its Initial Level	[], 60.00% of its Initial Level					

The total "Agent's Commission" and "Proceeds to Bank of Montreal" to be specified above will reflect the aggregate amounts at the time Bank of Montreal establishes its hedge positions on or prior to the Pricing Date, which may be variable and fluctuate depending on market conditions at such times. Certain dealers who purchased the notes for sale to certain fee-based advisory accounts may forego some or all of their selling concessions, fees or commissions. The public offering price for investors purchasing the notes in these accounts may be between \$998.50 and \$1,000 per \$1,000 in principal amount. We or one of our affiliates may also pay a referral fee to certain dealers in connection with the distribution of the notes.

Investing in the notes involves risks, including those described in the "Selected Risk Considerations" section beginning on page P-5 hereof, the "Additional Risk Factors Relating to the Notes" section beginning on page P-6 of the product supplement, and the "Risk Factors" section beginning on page S-1 of the prospectus supplement and on page 8 of the prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved of these notes or passed upon the accuracy of this document, the product supplement, the prospectus supplement or the prospectus. Any representation to the contrary is a criminal offense. The notes will be our unsecured obligations and will not be savings accounts or deposits that are insured by the United States Federal Deposit Insurance Corporation, the Deposit Insurance Found, the Canada Deposit Insurance Corporation or any other qovernmental agency or instrumentality or other entity.

On the date hereof, based on the terms set forth above, the estimated initial value of the notes is \$988.50 per \$1,000 in principal amount. The estimated initial value of the notes on the Pricing Date may differ from this value but will not be less than \$940.00 per \$1,000 in principal amount. However, as discussed in more detail below, the actual value of the notes at any time will reflect many factors and cannot be predicted with accuracy.

<sup>&</sup>lt;sup>1</sup>Expected. See "Key Terms of the Notes" below for additional details.

**Key Terms of the Notes:** 

Reference Assets: The S&P 500® Index (ticker symbol "SPX") and the NASDAQ-100 Index® (ticker symbol "NDX") and the Dow

Jones Industrial Average® (ticker symbol "INDU") . See "The Reference Assets" below for additional

information.

Contingent Coupons: If the closing level of each Reference Asset on an Observation Date is greater than or equal to its Coupon

Barrier Level, a Contingent Coupon will be paid on the corresponding Contingent Coupon Payment Date at the

Contingent Interest Rate, subject to the automatic redemption feature.

Contingent Interest Rate: 0.6375% per month (approximately 7.65% per annum), if payable. Accordingly, each Contingent Coupon, if

payable, will equal \$6.375 for each \$1,000 in principal amount.

Observation Dates:<sup>1</sup> Three trading days prior to each scheduled Contingent Coupon Payment Date.

**Contingent Coupon Payment** 

Dates:1

Interest, if payable, will be paid on the 21st day of each month (or, if such day is not a business day, the next following business day), beginning on September 21, 2025 and ending on the Maturity Date, subject to the

automatic redemption feature.

Automatic Redemption: Beginning on August 18, 2026, if, on any Observation Date, the closing level of each Reference Asset is greater

than its Call Level, the notes will be automatically redeemed. No further amounts will be owed to you under

the Notes.

Payment upon Automatic

Redemption:

If the notes are automatically redeemed, then, on the Call Settlement Date, investors will receive their

principal amount plus the Contingent Coupon otherwise due.

Call Settlement Date: 1 If the notes are automatically redeemed, the Contingent Coupon Payment Date immediately following the

relevant Observation Date.

Payment at Maturity: If the notes are not automatically redeemed, the payment at maturity for the notes is based on the

performance of the Reference Assets.

You will receive \$1,000 for each \$1,000 in principal amount of the note, unless a Trigger Event has occurred.

If a Trigger Event has occurred, you will receive at maturity, for each \$1,000 in principal amount of your notes,

a cash amount equal to:

\$1,000 + [\$1,000 x Percentage Change of the Least Performing Reference Asset]

This amount will be less than the principal amount of your notes, and may be zero.

You will also receive the final Contingent Coupon, if payable.

Trigger Event:<sup>2</sup> A Trigger Event will be deemed to occur if the Final Level of any Reference Asset is less than its Trigger Level

on the Valuation Date.

Least Performing Reference Asset: The Reference Asset with the lowest Percentage Change.

Percentage Change: With respect to each Reference Asset, the quotient, expressed as a percentage, of the following formula:

(Final Level - Initial Level)

Initial Level:<sup>2</sup> With respect to each Reference Asset, the closing level of that Reference Asset on the Pricing Date.

Coupon Barrier Level:<sup>2</sup> With respect to each Reference Asset, 60.00% of its Initial Level.

Trigger Level:<sup>2</sup> With respect to each Reference Asset, 60.00% of its Initial Level.

Call Level:<sup>2</sup> With respect to each Reference Asset, 100% of its Initial Level.

Final Level: With respect to each Reference Asset, the closing level of that Reference Asset on the Valuation Date.

Pricing Date:<sup>1</sup> August 15, 2025

Settlement Date:<sup>1</sup> August 20, 2025

Valuation Date:<sup>1</sup> August 16, 2028

Maturity Date:<sup>1</sup> August 21, 2028

Calculation Agent: BMOCM

Selling Agent: BMOCM

<sup>1</sup> Expected and subject to the occurrence of a market disruption event, as described in the accompanying product supplement. If we make any change to the expected Pricing Date and Settlement Date, the Contingent Coupon Payment Dates (and therefore the Observation Dates and potential Call Settlement Dates), the Valuation Date and Maturity Date will be changed so that the stated term of the notes remains approximately the same.

<sup>2</sup> As determined by the calculation agent and subject to adjustment in certain circumstances. See "General Terms of the Notes - Adjustments to a Reference Asset that is an Index" in the product supplement for additional information.

#### **Additional Terms of the Notes**

You should read this document together with the product supplement dated March 25, 2025, the prospectus supplement dated March 25, 2025 and the prospectus dated March 25, 2025. This document, together with the documents listed below, contains the terms of the notes and supersedes all other 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, fact sheets, brochures or other educational materials of ours or the agent. You should carefully consider, among other things, the matters set forth in Additional Risk Factors Relating to the Notes in the product supplement, as the notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisers before you invest in the notes.

You may access these documents on the SEC website at www.sec.gov as follows (or if such address has changed, by reviewing our filings for the relevant date on the SEC website):

Product supplement dated March 25, 2025:

https://www.sec.gov/Archives/edgar/data/927971/000121465925004743/b324250424b2.htm

Prospectus supplement dated March 25, 2025 and prospectus dated March 25, 2025: https://www.sec.gov/Archives/edgar/data/927971/000119312525062081/d840917d424b5.htm

Our Central Index Key, or CIK, on the SEC website is 927971. As used in this document, "we", "us" or "our" refers to Bank of Montreal.

We have filed a registration statement (including a prospectus) with the SEC for the offering to which this document relates. Before you invest, you should read the prospectus in that registration statement and the other documents that we have filed with the SEC for more complete information about us and this offering. You may obtain these documents free of charge by visiting the SEC's website at http://www.sec.gov. Alternatively, we will arrange to send to you the prospectus (as supplemented by the prospectus supplement and product supplement) if you request it by calling our agent toll-free at 1-877-369-5412.

#### **Selected Risk Considerations**

An investment in the notes involves significant risks. Investing in the notes is not equivalent to investing directly in the Reference Assets. These risks are explained in more detail in the "Additional Risk Factors Relating to the Notes" section of the product supplement.

#### Risks Related to the Structure or Features of the Notes

- Your investment in the notes may result in a loss. The notes do not guarantee any return of principal. If the notes are not automatically redeemed, the payment at maturity will be based on the Final Level of each Reference Asset and whether a Trigger Event has occurred. If the Final Level of any Reference Asset is less than its Trigger Level, a Trigger Event will occur, and you will lose 1% of the principal amount for each 1% that the Final Level of the Least Performing Reference Asset is less than its Initial Level. In such a case, you will receive at maturity a cash payment that is less than the principal amount of the notes and may be zero. Accordingly, you could lose your entire investment in the notes.
- You may not receive any Contingent Coupons with respect to your notes. We will not necessarily make periodic interest payments on the notes. If the closing level of any Reference Asset on an Observation Date is less than its Coupon Barrier Level, we will not pay you the Contingent Coupon applicable to that Observation Date. If the closing level of a Reference Asset is less than its Coupon Barrier Level on each of the Observation Dates, we will not pay you any Contingent Coupons during the term of the notes, and you will not receive a positive return on the notes. Generally, this non-payment of any Contingent Coupons will coincide with a greater risk of principal loss on your notes.
- Your notes are subject to automatic early redemption. We will redeem the notes if the closing level of each Reference Asset on any Observation Date is greater than its Call Level. Following an automatic redemption, you will not receive any additional Contingent Coupons and may not be able to reinvest your proceeds in an investment with returns that are comparable to the notes. Furthermore, to the extent you are able to reinvest such proceeds in an investment with a comparable return for a similar level of risk, you may incur transaction costs such as dealer discounts and hedging costs built into the price of the new notes.
- Your return on the notes is limited to the Contingent Coupons, if any, regardless of any increase in the level of any Reference Asset. You will not receive a payment at maturity with a value greater than your principal amount plus the final Contingent Coupon, if payable. In addition, if the notes are automatically redeemed, you will not receive a payment greater than the principal amount plus the applicable Contingent Coupon, even if the Final Level of one or more Reference Assets exceeds its Call Level by a substantial amount. Accordingly, your maximum return on the applicable notes is limited to the potential return represented by the Contingent Coupons.
- Whether you receive any Contingent Coupons and your payment at maturity may be determined solely by reference to the least performing Reference Asset, even if any other Reference Assets perform better. We will only make each Contingent Coupon payment on the notes if the closing level of each Reference Asset on the applicable Observation Date exceeds the applicable Coupon Barrier, even if the levels of any other Reference Assets have increased significantly. Similarly, if a Trigger Event occurs with respect to any Reference Asset and the Final Level of any Reference Asset is less than its Initial Level, your payment at maturity will be determined by reference to the performance of the Least Performing Reference Asset. Even if the levels of any other Reference Assets have increased over the term of the notes, or have experienced a decline that is less than that of the Least Performing Reference Asset, your return at maturity will only be determined by reference to the performance of the Least Performing Reference Asset if a Trigger Event occurs.
- The payments on the notes will be determined by reference to each Reference Asset individually, not to a basket, and the payments on the notes will be based on the performance of the least performing Reference Asset. Whether each Contingent Coupon is payable, and the payment at maturity if a Trigger Event occurs, will be determined only by reference to the performance of the least performing Reference Asset as of the applicable Observation Date and/or Valuation Date, regardless of the performance of any other Reference Assets. The notes are not linked to a weighted basket, in which the risk may be mitigated and diversified among each of the basket components. For example, in the case of notes linked to a weighted basket, the return would depend on the weighted aggregate performance of the basket components reflected as the basket return. As a result, a decrease of the level of one basket component could be mitigated by the increase of the level of the other basket components, as scaled by the weighting of that basket component. However, in the case of the notes, the individual performance of each Reference Asset will not be combined, and the performance of one Reference Asset will not be mitigated by any positive performance of any other Reference Assets. Instead, your receipt of Contingent Coupon payments on the notes will depend on the level of each Reference Asset if a Trigger Event occurs.
- Your return on the notes may be lower than the return on a conventional debt security of comparable maturity. The return that you will receive on your notes, which could be negative, may be less than the return you could earn on other investments. The notes do not provide for fixed interest payments and you may not receive any Contingent Coupons over the term of the notes. Even if you do receive one or more Contingent Coupons and your return on the notes is positive, your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of ours with the same maturity or if you invested directly in the Reference Assets. Your investment may not reflect the full opportunity cost to you when you take into account factors that affect the time value of money.
- A higher Contingent Interest Rate or lower Trigger Levels or Coupon Barrier Levels may reflect greater expected volatility of the Reference Assets, and greater expected volatility generally indicates an increased risk of loss at maturity. The economic terms for the notes, including the Contingent Interest Rate, Coupon Barrier Levels and Trigger Levels, are based, in part, on the expected volatility of the Reference Assets at the time the terms of the notes are set. "Volatility" refers to the frequency and magnitude of changes in the level of a Reference Asset. The greater the expected volatility of the Reference Assets as of the Pricing Date, the greater the expectation is as of that date that the closing level of a Reference Asset could be less than its Coupon Barrier Level on any Observation Date and that a Trigger Event could occur and, as a consequence, indicates an increased risk of not receiving a Contingent Coupon and an increased risk of loss, respectively. All things being equal, this greater expected volatility will generally be reflected in a higher Contingent Interest Rate than the yield payable on our conventional debt securities with a similar maturity or on otherwise comparable securities, and/or a lower Trigger Levels and/or Coupon Barrier Levels than those terms on otherwise comparable securities. Therefore, a relatively higher Contingent Interest Rate may indicate an increased risk of loss. Further, relatively lower Trigger Levels and/or Coupon Barriers may not necessarily indicate that the notes have a greater likelihood of a return of principal at maturity and/or paying Contingent Coupons. You should be willing to accept the downside market risk of the Reference Assets and the potential to lose a significant portion or all of your initial investment.

- Owning the notes is not the same as a hypothetical direct investment in the Reference Assets or a security directly linked to the Reference Assets. The return on your notes will not reflect the return you would realize if you made a hypothetical direct investment in the Reference Assets or the underlying securities of the Reference Assets or a security directly linked to the performance of the Reference Assets or the underlying securities of the Reference Assets and held that investment for a similar period. Your notes may trade quite differently from the Reference Assets. Changes in the level of a Reference Asset may not result in comparable changes in the market value of your notes. Even if the levels of the Reference Assets increase during the term of the notes, the market value of the notes prior to maturity may not increase to the same extent. It is also possible for the market value of the notes to decrease while the levels of the Reference Assets increase.
- You will not have any shareholder rights and will have no right to receive any shares of any company included in a Reference Asset at maturity.
   Investing in your notes will not make you a holder of any securities included in the Reference Assets. Neither you nor any other holder or owner of the notes will have any voting rights, any right to receive dividends or other distributions, or any other rights with respect to such underlying securities.
- We have no affiliation with any index sponsor and will not be responsible for any index sponsor's actions. The sponsors of the Reference Assets are not our affiliates and will not be involved in the offering of the notes in any way. Consequently, we have no control over the actions of any index sponsor, including any actions of the type that would require the calculation agent to adjust the payment to you at maturity. The index sponsors have no obligation of any sort with respect to the notes. Thus, the index sponsors have 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 the issuance of the notes will be delivered to any index sponsor.
- You must rely on your own evaluation of the merits of an investment linked to the Reference Assets. In the ordinary course of their businesses, our affiliates from time to time may express views on expected movements in the levels of the Reference Assets or the prices of the securities included in the Reference Assets. One or more of our affiliates have published, and in the future may publish, research reports that express views on the Reference Assets or these securities. However, these views are subject to change from time to time. Moreover, other professionals who deal in the markets relating to the Reference Assets at any time may have significantly different views from those of our affiliates. You are encouraged to derive information concerning the Reference Assets from multiple sources, and you should not rely on the views expressed by our affiliates. Neither the offering of the notes nor any views which our affiliates from time to time may express in the ordinary course of their businesses constitutes a recommendation as to the merits of an investment in the notes.

## Risks Relating to the NASDAQ-100 Index®

• An investment in the notes is subject to risks associated with foreign securities markets. — The NASDAQ-100 Index® tracks the value of certain foreign equity securities. You should be aware that investments in securities linked to the value of foreign equity securities involve particular risks. The foreign securities markets comprising the NASDAQ-100 Index® may have less liquidity and may be more volatile than U.S. or other securities markets and market developments may affect foreign markets differently from U.S. or other securities markets. Direct or indirect government intervention to stabilize these foreign securities markets, as well as cross-shareholdings in foreign companies, may affect trading prices and volumes in these markets. Also, there is generally less publicly available information about foreign companies than about those U.S. companies that are subject to the reporting requirements of the U.S. Securities and Exchange Commission, and foreign companies are subject to accounting, auditing and financial reporting standards and requirements that differ from those applicable to U.S. reporting companies. Prices of securities in foreign countries are subject to political, economic, financial and social factors that apply in those geographical regions. These factors, which could negatively affect those securities markets, include the possibility of recent or future changes in a foreign government's economic and fiscal policies, the possible imposition of, or changes in, currency exchange laws or other laws or restrictions applicable to foreign companies or investments in foreign equity securities and the possibility of fluctuations in the rate of exchange between currencies, the possibility of outbreaks of hostility and political instability and the possibility of natural disaster or adverse public health developments in the region. Moreover, foreign economies may differ favorably or unfavorably from the U.S. economy in important respects such as growth of gross national product, rate of inflation, ca

## **General Risk Factors**

- Your investment is subject to the credit risk of Bank of Montreal. Our credit ratings and credit spreads may adversely affect the market value of the notes. Investors are dependent on our ability to pay any amounts due on the notes, and therefore investors are subject to our credit risk and to changes in the market's view of our creditworthiness. Any decline in our credit ratings or increase in the credit spreads charged by the market for taking our credit risk is likely to adversely affect the value of the notes.
- Potential conflicts. We and our affiliates play a variety of roles in connection with the issuance of the notes, including acting as calculation agent. In performing these duties, the economic interests of the calculation agent and other affiliates of ours are potentially adverse to your interests as an investor in the notes. We or one or more of our affiliates may also engage in trading of securities included in a Reference Asset on a regular basis as part of our general broker-dealer and other businesses, for proprietary accounts, for other accounts under management or to facilitate transactions for our customers. Any of these activities could adversely affect the level of the Reference Assets and, therefore, the market value of, and the payments on, the notes. 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 changes in the performance of the Reference Assets. By introducing competing products into the market place in this manner, we or one or more of our affiliates could adversely affect the market value of the notes.
- Our initial estimated value of the notes will be lower than the price to public. Our initial estimated value of the notes is only an estimate, and is based on a number of factors. The price to public of the notes will exceed our initial estimated value, because costs associated with offering, structuring and hedging the notes are included in the price to public, but are not included in the estimated value. These costs include any underwriting discount and selling concessions, the profits that we and our affiliates expect to realize for assuming the risks in hedging our obligations under the notes and the estimated cost of hedging these obligations. The initial estimated value of the notes may be as low as the amount indicated on the cover page hereof.
- Our initial estimated value does not represent any future value of the notes, and may also differ from the estimated value of any other party.
   Our initial estimated value of the notes as of the date hereof is, and our estimated value as determined on the Pricing Date will be, derived using our internal pricing models. This value is based on market conditions and other relevant factors, which include volatility of the Reference Assets, dividend rates and interest rates. Different pricing models and assumptions could provide values for the notes that are greater than or less

than our initial estimated value. In addition, market conditions and other relevant factors after the Pricing Date are expected to change, possibly rapidly, and our assumptions may prove to be incorrect. After the Pricing Date, the value of the notes could change dramatically due to changes in market conditions, our creditworthiness, and the other factors set forth herein and in the product supplement. These changes are likely to impact the price, if any, at which we or BMOCM would be willing to purchase the notes from you in any secondary market transactions. Our initial estimated value does not represent a minimum price at which we or our affiliates would be willing to buy your notes in any secondary market at any time.

- The terms of the notes are not determined by reference to the credit spreads for our conventional fixed-rate debt. To determine the terms of the notes, we will use an internal funding rate that represents a discount from the credit spreads for our conventional fixed-rate debt. As a result, the terms of the notes are less favorable to you than if we had used a higher funding rate.
- Certain costs are likely to adversely affect the value of the notes. Absent any changes in market conditions, any secondary market prices of the notes will likely be lower than the price to public. This is because any secondary market prices will likely take into account our then-current market credit spreads, and because any secondary market prices are likely to exclude all or a portion of any underwriting discount and selling concessions, and the hedging profits and estimated hedging costs that are included in the price to public of the notes and that may be reflected on your account statements. In addition, any such price is also likely to reflect a discount to account for costs associated with establishing or unwinding any related hedge transaction, such as dealer discounts, mark-ups and other transaction costs. As a result, the price, if any, at which BMOCM or any other party may be willing to purchase the notes from you in secondary market transactions, if at all, will likely be lower than the price to public. Any sale that you make prior to the Maturity Date could result in a substantial loss to you.
- Lack of liquidity. The notes will not be listed on any securities exchange. BMOCM may offer to purchase the notes in the secondary market, but is not required to do so. Even if there is a secondary market, it may not provide enough liquidity to allow you to trade or sell the notes easily. Because other dealers are not likely to make a secondary market for the notes, the price at which you may be able to trade the notes is likely to depend on the price, if any, at which BMOCM is willing to buy the notes.
- Hedging and trading activities. We or any of our affiliates have carried out or may carry out hedging activities related to the notes, including purchasing or selling securities included in the Reference Assets, futures or options relating to the Reference Assets or securities included in the Reference Assets or other derivative instruments with returns linked or related to changes in the performance on the Reference Assets or securities included in the Reference Assets. We or our affiliates may also trade in the securities included in the Reference Assets or instruments related to the Reference Assets or such securities from time to time. Any of these hedging or trading activities on or prior to the Pricing Date and during the term of the notes could adversely affect the payments on the notes.
- Many economic and market factors will influence the value of the notes. In addition to the levels of the Reference Assets and interest rates on any trading day, the value of the notes will be affected by a number of economic and market factors that may either offset or magnify each other, and which are described in more detail in the product supplement.
- Significant aspects of the tax treatment of the notes are uncertain. The tax treatment of the notes is uncertain. We do not plan to request a ruling from the Internal Revenue Service or from any Canadian authorities regarding the tax treatment of the notes, and the Internal Revenue Service or a court may not agree with the tax treatment described herein.
  - The Internal Revenue Service has released a notice that may affect the taxation of holders of "prepaid forward contracts" and similar instruments. According to the notice, the Internal Revenue Service and the U.S. Treasury are actively considering whether the holder of such instruments should be required to accrue ordinary income on a current basis. While it is not clear whether the notes would be viewed as similar to such instruments, it is possible that any future guidance could materially and adversely affect the tax consequences of an investment in the notes, possibly with retroactive effect.
  - Please read carefully the section entitled "U.S. Federal Tax Information" herein, the section entitled "Supplemental Tax Considerations—Supplemental U.S. Federal Income Tax Considerations" in the accompanying product supplement, the section entitled "United States Federal Income Taxation" in the accompanying prospectus and the section entitled "Certain Income Tax Consequences" in the accompanying prospectus supplement. You should consult your tax advisor about your own tax situation.

## Examples of the Hypothetical Payment at Maturity for a \$1,000 Investment in the Notes

The following table illustrates the hypothetical payments on a note at maturity, assuming that the notes are not automatically redeemed. The hypothetical payments are based on a \$1,000 investment in the note, a hypothetical Initial Level of 100.00, a hypothetical Trigger Level of 60.00 for each Reference Asset (60.00% of the hypothetical Initial Level), a hypothetical Call Level of 100.00 (100.00% of the hypothetical Initial Level), a range of hypothetical Final Levels and the effect on the payment at maturity.

The hypothetical examples shown below are intended to help you understand the terms of the notes. If the notes are not automatically redeemed, the actual cash amount that you will receive at maturity will depend upon the Final Level of the Least Performing Reference Asset. If the notes are automatically redeemed prior to maturity, the hypothetical examples below will not be relevant, and you will receive on the applicable Call Settlement Date, for each \$1,000 principal amount, the principal amount plus the applicable Contingent Coupon.

As discussed in more detail above, your total return on the notes will also depend on the number of Contingent Coupon Dates on which the Contingent Coupon is payable. It is possible that the only payments on your notes will be the payment, if any, due at maturity. The payment at maturity will not exceed the principal amount, and may be significantly less.

Hypothetical Final Level of the Least Performing Reference Asset	Hypothetical Final Level of the Least Performing Reference Asset Expressed as a Percentage of its Initial Level	Payment at Maturity (Excluding Coupons)
200.00	200.00%	\$1,000.00
180.00	180.00%	\$1,000.00
160.00	160.00%	\$1,000.00
140.00	140.00%	\$1,000.00
120.00	120.00%	\$1,000.00
100.00	100.00%	\$1,000.00
90.00	90.00%	\$1,000.00
80.00	80.00%	\$1,000.00
70.00	70.00%	\$1,000.00
60.00	60.00%	\$1,000.00
59.99	59.99%	\$599.90
40.00	40.00%	\$400.00
20.00	20.00%	\$200.00
0.00	0.00%	\$0.00

## **U.S. Federal Tax Information**

By purchasing the notes, each holder agrees (in the absence of a change in law, an administrative determination or a judicial ruling to the contrary) to treat each note as a pre-paid contingent income-bearing derivative contract for U.S. federal income tax purposes. In the opinion of our counsel, Mayer Brown LLP, it would generally be reasonable to treat the notes as pre-paid contingent income-bearing derivative contracts in respect of the Reference Assets for U.S. federal income tax purposes. However, the U.S. federal income tax consequences of your investment in the notes are uncertain and the Internal Revenue Service could assert that the notes should be taxed in a manner that is different from that described in the preceding sentence. Please see the discussion in the accompanying product supplement under "Supplemental Tax Considerations—Supplemental U.S. Federal Income Tax Considerations—Notes Treated as Investment Units Consisting of a Debt Portion and a Put Option, as Pre-Paid Contingent Income-Bearing Derivative Contracts, or as Pre-Paid Derivative Contracts—Notes Treated as Pre-Paid Contingent Income-Bearing Derivative Contracts," which applies to the notes.

## Supplemental Plan of Distribution (Conflicts of Interest)

BMOCM will purchase the notes from us at a purchase price reflecting the commission set forth on the cover hereof. BMOCM has informed us that, as part of its distribution of the notes, it will reoffer the notes to other dealers who will sell them. Each such dealer, or each additional dealer engaged by a dealer to whom BMOCM reoffers the notes, will receive a commission from BMOCM, which will not exceed the commission set forth on the cover page. We or one of our affiliates may also pay a referral fee to certain dealers in connection with the distribution of the notes.

Certain dealers who purchase the notes for sale to certain fee-based advisory accounts may forego some or all of their selling concessions, fees or commissions. The public offering price for investors purchasing the notes in these accounts may be less than 100% of the principal amount, as set forth on the cover page of this document. Investors that hold their notes in these accounts may be charged fees by the investment advisor or manager of that account based on the amount of assets held in those accounts, including the notes.

We will deliver the notes on a date that is greater than one business day following the pricing date. Under Rule 15c6-1 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), trades in the secondary market generally are required to settle in one business day, unless the parties to any such trade expressly agree otherwise. Accordingly, purchasers who wish to trade the notes more than one business day prior to the issue date will be required to specify alternative settlement arrangements to prevent a failed settlement.

We own, directly or indirectly, all of the outstanding equity securities of BMOCM, the agent for this offering. In accordance with FINRA Rule 5121, BMOCM may not make sales in this offering to any of its discretionary accounts without the prior written approval of the customer.

We reserve the right to withdraw, cancel or modify the offering of the notes and to reject orders in whole or in part. You may cancel any order for the notes prior to its acceptance.

You should not construe the offering of the notes as a recommendation of the merits of acquiring an investment linked to the Reference Assets or as to the suitability of an investment in the notes.

BMOCM may, but is not obligated to, make a market in the notes. BMOCM will determine any secondary market prices that it is prepared to offer in its sole discretion.

We may use the final pricing supplement relating to the notes in the initial sale of the notes. In addition, BMOCM or another of our affiliates may use the final pricing supplement in market-making transactions in any notes after their initial sale. Unless BMOCM or we inform you otherwise in the confirmation of sale, the final pricing supplement is being used by BMOCM in a market-making transaction.

For a period of approximately three months following issuance of the notes, the price, if any, at which we or our affiliates would be willing to buy the notes from investors, and the value that BMOCM may also publish for the notes through one or more financial information vendors and which could be indicated for the notes on any brokerage account statements, will reflect a temporary upward adjustment from our estimated value of the notes that would otherwise be determined and applicable at that time. This temporary upward adjustment represents a portion of (a) the hedging profit that we or our affiliates expect to realize over the term of the notes and (b) any underwriting discount and the selling concessions paid in connection with this offering. The amount of this temporary upward adjustment will decline to zero on a straight-line basis over the three-month period.

The notes and the related offer to purchase notes and sale of notes under the terms and conditions provided herein do not constitute a public offering in any non-U.S. jurisdiction, and are being made available only to individually identified investors pursuant to a private offering as permitted in the relevant jurisdiction. The notes are not, and will not be, registered with any securities exchange or registry located outside of the United States and have not been registered with any non-U.S. securities or banking regulatory authority. The contents of this document have not been reviewed or approved by any non-U.S. securities or banking regulatory authority. Any person who wishes to acquire the notes from outside the United States should seek the advice or legal counsel as to the relevant requirements to acquire these notes.

British Virgin Islands. The notes have not been, and will not be, registered under the laws and regulations of the British Virgin Islands, nor has any regulatory authority in the British Virgin Islands passed comment upon or approved the accuracy or adequacy of this document. This pricing supplement and the related documents shall not constitute an offer, invitation or solicitation to any member of the public in the British Virgin Islands for the purposes of the Securities and Investment Business Act, 2010, of the British Virgin Islands.

Cayman Islands. Pursuant to the Companies Law (as amended) of the Cayman Islands, no invitation may be made to the public in the Cayman Islands to subscribe for the notes by or on behalf of the issuer unless at the time of such invitation the issuer is listed on the Cayman Islands Stock Exchange. The issuer is not presently listed on the Cayman Islands Stock Exchange and, accordingly, no invitation to the public in the Cayman Islands is to be made by the issuer (or by any dealer on its behalf). No such invitation is made to the public in the Cayman Islands hereby.

Dominican Republic. Nothing in this pricing supplement constitutes an offer of securities for sale in the Dominican Republic. The notes have not been, and will not be, registered with the Superintendence of Securities Market of the Dominican Republic (Superintendencia del Mercado de Valores), under Dominican Securities Market Law No. 249-17 ("Securities Law 249-17"), and the notes may not be offered or sold within the Dominican Republic or to, or for the account or benefit of, Dominican persons (as defined under Securities Law 249-17 and its regulations). Failure to comply with these directives may result in a violation of Securities Law 249-17 and its regulations.

Israel. This pricing supplement is intended solely for investors listed in the First Supplement of the Israeli Securities Law of 1968, as amended. A prospectus has not been prepared or filed, and will not be prepared or filed, in Israel relating to the notes offered hereunder. The notes cannot be resold in Israel other than to investors listed in the First Supplement of the Israeli Securities Law of 1968, as amended.

No action will be taken in Israel that would permit an offering of the notes or the distribution of any offering document or any other material to the public in Israel. In particular, no offering document or other material has been reviewed or approved by the Israel Securities Authority. Any

material provided to an offeree in Israel may not be reproduced or used for any other purpose, nor be furnished to any other person other than those to whom copies have been provided directly by us or the selling agents.

Nothing in this pricing supplement or any other offering material relating to the notes, should be considered as the rendering of a recommendation or advice, including investment advice or investment marketing under the Law For Regulation of Investment Advice, Investment Marketing and Investment Portfolio Management, 1995, to purchase any note. The purchase of any note will be based on an investor's own understanding, for the investor's own benefit and for the investor's own account and not with the aim or intention of distributing or offering to other parties. In purchasing the notes, each investor declares that it has the knowledge, expertise and experience in financial and business matters so as to be capable of evaluating the risks and merits of an investment in the notes, without relying on any of the materials provided.

*Mexico*. The notes have not been registered with the National Registry of Securities maintained by the Mexican National Banking and Securities Commission and may not be offered or sold publicly in Mexico. This pricing supplement and the related documents may not be publicly distributed in Mexico. The notes may only be offered in a private offering pursuant to Article 8 of the Securities Market Law.

Switzerland. This pricing supplement is not intended to constitute an offer or solicitation to purchase or invest in any notes. Neither this pricing supplement nor any other offering or marketing material relating to the notes constitutes a prospectus compliant with the requirements of articles 35 et seq. of the Swiss Financial Services Act ("FinSA")) for a public offering of the notes in Switzerland and no such prospectus has been or will be prepared for or in connection with the offering of the notes in Switzerland.

Neither this pricing supplement nor any other offering or marketing material relating to the notes has been or will be filed with or approved by a Swiss review body (Prüfstelle). No application has been or is intended to be made to admit the notes to trading on any trading venue (SIX Swiss Exchange or on any other exchange or any multilateral trading facility) in Switzerland. Neither this pricing supplement nor any other offering or marketing material relating to the notes may be publicly distributed or otherwise made publicly available in Switzerland.

The notes may not be publicly offered, directly or indirectly, in Switzerland within the meaning of FinSA except (i) in any circumstances falling within the exemptions to prepare a prospectus listed in article 36 para. 1 FinSA or (ii) where such offer does not qualify as a public offer in Switzerland, provided always that no offer of notes shall require the Issuer or any offeror to publish a prospectus pursuant to article 35 FinSA in respect to such offer and that such offer shall comply with the additional restrictions set out below (if applicable). The Issuer has not authorised and does not authorise any offer of notes which would require the Issuer or any offeror to publish a prospectus pursuant to article 3 FinSA in respect of such offer. For purposes of this provision "public offer" shall have the meaning as such term is understood pursuant to article 3 lit. g and h FinSA and the Swiss Financial Services Ordinance ("FinSO").

The notes do not constitute participations in a collective investment scheme within the meaning of the Swiss Collective Investment Schemes Act. They are not subject to the approval of, or supervision by, the Swiss Financial Market Supervisory Authority ("FINMA"), and investors in the notes will not benefit from protection under CISA or supervision by FINMA.

Prohibition of Offer to Private Clients in Switzerland - No Key Information Document pursuant to article 58 FinSA (Basisinformationsblatt für Finanzinstrumente) or equivalent document under foreign law pursuant to article 59 para. 2 FinSA has been or will be prepared in relation to the notes. Therefore, the following additional restriction applies: Notes qualifying as "debt securities with a derivative character" pursuant to article 86 para. 2 FinSO may not be offered within the meaning of article 58 para. 1 FinSA, and neither this pricing supplement nor any other offering or marketing material relating to such notes may be made available, to any retail client (Privatkunde) within the meaning of FinSA in Switzerland.

The notes may also be sold in the following jurisdictions, provided, in each case, any sales are made in accordance with all applicable laws in such jurisdiction:

- Barbados
- Bermuda

## Additional Information Relating to the Estimated Initial Value of the Notes

Our estimated initial value of the notes on the date hereof, and that will be set forth on the cover page of the final pricing supplement relating to the notes, equals the sum of the values of the following hypothetical components:

- a fixed-income debt component with the same tenor as the notes, valued using our internal funding rate for structured notes; and
- one or more derivative transactions relating to the economic terms of the notes.

The internal funding rate used in the determination of the initial estimated value generally represents a discount from the credit spreads for our conventional fixed-rate debt. The value of these derivative transactions is derived from our internal pricing models. These models are based on factors such as the traded market prices of comparable derivative instruments and on other inputs, which include volatility, dividend rates, interest rates and other factors. As a result, the estimated initial value of the notes on the Pricing Date will be determined based on the market conditions on the Pricing Date.

#### The Reference Assets

All disclosures contained in this pricing supplement regarding the Reference Assets, including, without limitation, their make-up, method of calculation, and changes in their components and their historical closing levels, have been derived from publicly available information prepared by the applicable sponsors. The information reflects the policies of, and is subject to change by, the sponsors. The sponsors own the copyrights and all rights to the Reference Assets. The sponsors are under no obligation to continue to publish, and may discontinue publication of, the Reference Assets. Neither we nor BMO Capital Markets Corp. accepts any responsibility for the calculation, maintenance or publication of any Reference Asset or any successor. We encourage you to review recent levels of the Reference Assets prior to making an investment decision with respect to the notes.

## The S&P 500® Index ("SPX")

The S&P 500® Index measures the performance of the large-cap segment of the U.S. market. The S&P 500® Index includes 500 leading companies and covers approximately 80% of available market capitalization. The calculation of the level of the S&P 500® Index is based on the relative value of the aggregate market value of the common stocks of 500 companies as of a particular time compared to the aggregate average market value of the common stocks of 500 similar companies during the base period of the years 1941 through 1943.

S&P calculates the S&P 500® Index by reference to the prices of the constituent stocks of the S&P 500® Index without taking account of the value of dividends paid on those stocks. As a result, the return on the notes will not reflect the return you would realize if you actually owned the constituent stocks of the S&P 500® Index and received the dividends paid on those stocks.

## Computation of the S&P 500® Index

While S&P currently employs the following methodology to calculate the S&P 500® Index, no assurance can be given that S&P will not modify or change this methodology in a manner that may affect the Payment at Maturity.

Historically, the market value of any component stock of the S&P 500® Index was calculated as the product of the market price per share and the number of then outstanding shares of such component stock. In March 2005, S&P began shifting the S&P 500® Index halfway from a market capitalization weighted formula to a float-adjusted formula, before moving the S&P 500® Index to full float adjustment on September 16, 2005. S&P's criteria for selecting stocks for the S&P 500® Index did not change with the shift to float adjustment. However, the adjustment affects each company's weight in the S&P 500® Index.

Under float adjustment, the share counts used in calculating the S&P 500® Index reflect only those shares that are available to investors, not all of a company's outstanding shares. Float adjustment excludes shares that are closely held by control groups, other publicly traded companies or government agencies.

In September 2012, all shareholdings representing more than 5% of a stock's outstanding shares, other than holdings by "block owners," were removed from the float for purposes of calculating the S&P 500® Index. Generally, these "control holders" will include officers and directors, private equity, venture capital and special equity firms, other publicly traded companies that hold shares for control, strategic partners, holders of restricted shares, ESOPs, employee and family trusts, foundations associated with the company, holders of unlisted share classes of stock, government entities at all levels (other than government retirement/pension funds) and any individual person who controls a 5% or greater stake in a company as reported in regulatory filings. However, holdings by block owners, such as depositary banks, pension funds, mutual funds and ETF providers, 401(k) plans of the company, government retirement/pension funds, investment funds of insurance companies, asset managers and investment funds, independent foundations and savings and investment plans, will ordinarily be considered part of the float.

Treasury stock, stock options, equity participation units, warrants, preferred stock, convertible stock, and rights are not part of the float. Shares held in a trust to allow investors in countries outside the country of domicile, such as depositary shares and Canadian exchangeable shares are normally part of the float unless those shares form a control block.

For each stock, an investable weight factor ("IWF") is calculated by dividing the available float shares by the total shares outstanding. Available float shares are defined as the total shares outstanding less shares held by control holders. This calculation is subject to a 5% minimum threshold for control blocks. For example, if a company's officers and directors hold 3% of the company's shares, and no other control group holds 5% of the company's shares, S&P would assign that company an IWF of 1.00, as no control group meets the 5% threshold. However, if a company's officers and directors hold 3% of the company's shares and another control group holds 20% of the company's shares, S&P would assign an IWF of 0.77, reflecting the fact that 23% of the company's outstanding shares are considered to be held for control. As of July 31, 2017, companies with multiple share class lines are no longer eligible for inclusion in the S&P 500® Index. Constituents of the S&P 500® Index prior to July 31, 2017 with multiple share class lines were grandfathered in and continue to be included in the S&P 500® Index. If a constituent company of the S&P 500® Index reorganizes into a multiple share class line structure, that company will remain in the S&P 500® Index at the discretion of the S&P Index Committee in order to minimize turnover.

The S&P 500® Index is calculated using a base-weighted aggregate methodology. The level of the S&P 500® Index reflects the total market value of all 500 component stocks relative to the base period of the years 1941 through 1943. An indexed number is used to represent the results of this calculation in order to make the level easier to use and track over time. The actual total market value of the component stocks during the base period of the years 1941 through 1943 has been set to an indexed level of 10. This is often indicated by the notation 1941-43 = 10. In practice, the daily calculation of the S&P 500® Index is computed by dividing the total market value of the component stocks by the "index divisor." By itself, the index divisor is an arbitrary number. However, in the context of the calculation of the S&P 500® Index, it serves as a link to the original base period level of the S&P 500® Index. The index divisor keeps the S&P 500® Index comparable over time and is the manipulation point for all adjustments to the S&P 500® Index, which is index maintenance.

## **Index Maintenance**

Index maintenance includes monitoring and completing the adjustments for company additions and deletions, share changes, stock splits, stock dividends, and stock price adjustments due to company restructuring or spinoffs. Some corporate actions, such as stock splits and stock dividends, require changes in the common shares outstanding and the stock prices of the companies in the S&P 500® Index, and do not require index divisor adjustments.

To prevent the level of the S&P 500® Index from changing due to corporate actions, corporate actions which affect the total market value of the S&P 500® Index require an index divisor adjustment. By adjusting the index divisor for the change in market value, the level of the S&P 500® Index remains constant and does not reflect the corporate actions of individual companies in the S&P 500® Index. Index divisor adjustments are made after the close of trading and after the calculation of the S&P 500® Index closing level.

Changes in a company's total shares outstanding of 5% or more due to public offerings are made as soon as reasonably possible. Other changes of 5% or more (for example, due to tender offers, Dutch auctions, voluntary exchange offers, company stock repurchases, private placements, acquisitions of private companies or non-index companies that do not trade on a major exchange, redemptions, exercise of options, warrants, conversion of preferred stock, notes, debt, equity participations, at-the-market stock offerings or other recapitalizations) are made weekly, and are generally announced on Fridays for implementation after the close of trading the following Friday (one week later). If a 5% or more share change causes a company's IWF to change by five percentage points or more, the IWF is updated at the same time as the share change. IWF changes resulting from partial tender offers are considered on a case-by-case basis.

## License Agreement

We and S&P Dow Jones Indices LLC ("S&P") have entered into a non-exclusive license agreement providing for the license to us and certain of our affiliates, in exchange for a fee, of the right to use the S&P 500® Index, in connection with certain securities, including the notes. The S&P 500® Index is owned and published by S&P.

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

The notes are not sponsored, endorsed, sold or promoted by S&P Dow Jones Indices LLC, Dow Jones, Standard and Poor's Financial Services LLC or any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices make no representation or warranty, express or implied, to the holders of the notes or any member of the public regarding the advisability of investing in securities generally or in the notes particularly or the ability of the S&P 500® Index to track general market performance. S&P Dow Jones Indices' only relationship to us with respect to the S&P 500® Index is the licensing of the Index and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its third party licensors. The S&P 500® Index is determined, composed and calculated by S&P Dow Jones Indices without regard to us or the notes. S&P Dow Jones Indices have no obligation to take our needs or the needs of holders of the notes into consideration in determining, composing or calculating the S&P 500® Index. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of the notes or the timing of the issuance or sale of the notes or in the determination or calculation of the equation by which the notes are to be converted into cash. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of the notes. There is no assurance that investment products based on the S&P 500® Index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC and its subsidiaries are not investment advisors. Inclusion of a security or futures contract within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security or futures contract, nor is it considered to be investment advice. Notwithstanding the foregoing, CME Group Inc. and its affiliates may independently issue and/or sponsor financial products unrelated to the notes currently being issued by us, but which may be similar to and competitive with the notes. In addition, CME Group Inc. and its affiliates may trade financial products which are linked to the performance of the S&P 500® Index. It is possible that this trading activity will affect the value of the notes.

S&P DOW JONES INDICES DO NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE S&P 500® INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY US, HOLDERS OF THE NOTES, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE S&P 500® INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND US, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

S&P® is a registered trademark of Standard & Poor's Financial Services LLC and Dow Jones® is a registered trademark of Dow Jones
Trademark Holdings LLC. These trademarks have been licensed for use by Bank of Montreal. "Standard & Poor's®", "S&P 500®" and "S&P®" are
trademarks of S&P. The notes are not sponsored, endorsed, sold or promoted by S&P and S&P makes no representation regarding the advisability of
investing in the notes.

## The NASDAQ-100 Index® ("NDX")

The NASDAQ-100 Index® is a modified market capitalization-weighted index of 100 of the largest stocks of both U.S. and non-U.S. non-financial companies listed on The NASDAQ Stock Market based on market capitalization. It does not contain securities of financial companies, including investment companies. The NASDAQ-100 Index® which includes companies across a variety of major industry groups, was launched on January 31, 1985, with a base index value of 250.00. On January 1, 1994, the base index value was reset to 125.00. The NASDAQ-100 Index® composition is reviewed on an annual basis in December. Nasdaq, Inc. publishes the NASDAQ-100 Index®. Current information regarding the market value of the Nasdaq-100 Index® is available from Nasdaq, Inc. as well as numerous market information services.

The share weights of the component securities of the Nasdaq-100 Index® at any time are based upon the total shares outstanding in each of those securities and are additionally subject, in certain cases, to rebalancing. Accordingly, each underlying stock's influence on the level of the NASDAQ-100 Index® is directly proportional to the value of its share weight.

#### **Index Calculation**

At any moment in time, the level of the NASDAQ-100 Index® equals the aggregate value of the then-current share weights of each of the component securities, which are based on the total shares outstanding of each such component security, multiplied by each such security's respective last sale price on The NASDAQ Stock Market (which may be the official closing price published by The NASDAQ Stock Market), and divided by a scaling factor (the "divisor"), which becomes the basis for the reported level of the NASDAQ-100 Index®. The divisor serves the purpose of scaling such aggregate value to a lower order of magnitude, which is more desirable for reporting purposes.

Underlying Stock Eligibility Criteria and Annual Ranking Review

## Initial Eligibility Criteria

To be eligible for initial inclusion in the NASDAQ-100 Index®, a security must be listed on The NASDAQ Stock Market and meet the following criteria:

- the security's U.S. listing must be exclusively on the NASDAQ Global Select Market or the NASDAQ Global Market;
- the security must be issued by a non-financial company (any industry other than financials) according to the Industry Classification Benchmark (ICB);
- the security may not be issued by an issuer currently in bankruptcy proceedings;
- the security must generally be a common stocks, ordinary shares, American Depositary Receipts (ADRs), or tracking stock (closed-end funds, convertible debentures, exchange traded funds, limited liability companies, limited partnership interests, preferred stocks, rights, shares or units of beneficial interests, warrants, units and other derivative securities are not included in the NASDAQ-100 Index®, nor are the securities of investment companies). Companies organized as Real Estate Investment Trusts ("REITs") are not eligible for index inclusion. If the security is a depositary receipt representing a security of a non-U.S. issuer, then references to the "issuer" are references to the underlying security and the total shares outstanding ("TSO") is the actual depositary shares outstanding as reported by the depositary banks;
- the security must have a three-month average daily trading volume of at least 200,000 shares;
- if the security is issued by an issuer organized under the laws of a jurisdiction outside the United States, it must have listed options on a recognized market in the United States or be eligible for listed-options trading on a recognized options market in the United States;
- the issuer of the security may not have entered into a definitive agreement or other arrangement that would make it ineligible for index inclusion and where the transaction is imminent as determined by the Index Management Committee;
- the issuer of the security may not have annual financial statements with an audit opinion that is currently withdrawn; and
- the issuer of the security must have "seasoned" on the NASDAQ Stock Market or another recognized market (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).

## Continued Eligibility Criteria

In addition, to be eligible for continued inclusion in the NASDAQ-100 Index® the following criteria apply:

- the security's U.S. listing must be exclusively on the NASDAQ Global Select Market or the NASDAQ Global Market;
- the security must be issued by a non-financial company;
- the security may not be issued by an issuer currently in bankruptcy proceedings;
- the security must have an average daily trading volume of at least 200,000 shares in the previous three-month trading period as measured annually during the ranking review process described below;
- if the issuer of the security is organized under the laws of a jurisdiction outside the United States, then such security must have listed options on a recognized market in the United States or be eligible for listed-options trading on a recognized options market in the United States, as measured annually during the ranking review process;
- the issuer of the security may not have entered into a definitive agreement or other arrangement that would likely result in the security no longer being eligible;
- the security 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 that a company does not meet this criterion for two
  consecutive month-ends, it will be 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 security may not have annual financial statements with an audit opinion that is currently withdrawn.

These eligibility criteria may be revised from time to time by Nasdaq, Inc. without regard to the notes.

#### Annual Ranking Review

The component securities are evaluated on an annual basis (the "Ranking Review"), except under extraordinary circumstances, which may result in an interim evaluation, as follows. Securities that meet the applicable eligibility criteria are ranked by market value. Eligible securities that are already in the NASDAQ-100 Index® and that are ranked in the top 100 eligible securities (based on market capitalization) are retained in the NASDAQ-100 Index®. A security that is ranked 101 to 125 is also retained, provided that such security was ranked in the top 100 eligible securities as of the

previous Ranking Review or was added to the NASDAQ-100 Index® subsequent to the previous Ranking Review. Securities not meeting such criteria are replaced. The replacement securities chosen are those eligible securities not currently in the NASDAQ-100 Index® that have the largest market capitalization. The data used in the ranking includes end of October market data and is updated for total shares outstanding submitted in a publicly filed SEC document via EDGAR through the end of November.

Replacements are made effective after the close of trading on the third Friday in December. Moreover, if at any time during the year other than the Ranking Review, a component security is determined by NASDAQ OMX to become ineligible for continued inclusion in the NASDAQ-100 Index®, the security will be replaced with the largest market capitalization security meeting the eligibility criteria listed above and not currently included in the NASDAQ-100 Index®. Issuers that are added as a result of a spin-off are not replaced until after they have been included in a reconstitution.

## Index Maintenance

In addition to the Ranking Review, the securities NASDAQ-100 Index® are monitored every day by Nasdaq, Inc. with respect to changes in total shares outstanding arising from corporate events, such as stock dividends, stock splits and certain spin-offs and rights issuances. Nasdaq, Inc. has adopted the following quarterly scheduled weight adjustment procedures with respect to those changes. If the change in total shares outstanding arising from a corporate action is greater than or equal to 10%, that change will be made to the NASDAQ-100 Index® as soon as practical, normally within ten days of such corporate action. Otherwise, if the change in total shares outstanding is less than 10%, 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.

In either case, the share weights for those component securities are adjusted by the same percentage amount by which the total shares outstanding have changed in those securities. Ordinarily, whenever there is a change in the share weights, a change in a component security, or a change to the price of a component security due to spin-off, rights issuances or special cash dividends, Nasdaq, Inc. adjusts the divisor to ensure that there is no discontinuity in the level of the NASDAQ-100 Index® that might otherwise be caused by any of those changes. All changes will be announced in advance.

## **Index Rebalancing**

Under the methodology employed, on a quarterly basis coinciding with Nasdaq, Inc.'s quarterly scheduled weight adjustment procedures, the component securities are categorized as either "Large Stocks" or "Small Stocks" depending on whether their current percentage weights (after taking into account scheduled weight adjustments due to stock repurchases, secondary offerings or other corporate actions) are greater than, or less than or equal to, the average percentage weight in the NASDAQ-100 Index® (i.e., as a 100-stock index, the average percentage weight in the NASDAQ-100 Index® is 1%).

This quarterly examination will result in an index rebalancing if it is determined that: (1) the current weight of the single largest market capitalization component security is greater than 24% or (2) the "collective weight" of those component securities, the individual current weights of which are in excess of 4.5%, when added together, exceed 48%. In addition, Nasdaq, Inc. may conduct a special rebalancing at any time if it is determined to be necessary to maintain the integrity of the NASDAQ-100 Index®.

If either one or both of these weight distribution requirements are met upon quarterly review, or Nasdaq, Inc. determines that a special rebalancing is required, a weight rebalancing will be performed. First, relating to weight distribution requirement (1) above, if the current weight of the single largest component security exceeds 24%, then the weights of all Large Stocks will be scaled down proportionately towards 1% by enough of an amount for the adjusted weight of the single largest component security to be set to 20%. Second, relating to weight distribution requirement (2) above, for those component securities whose individual current weights or adjusted weights in accordance with the preceding step are in excess of 4.5%, if their "collective weight" exceeds 48%, then the weights of all Large Stocks will be scaled down proportionately towards 1% by just enough amount for the "collective weight," so adjusted, to be set to 40%.

The aggregate weight reduction among the Large Stocks resulting from either or both of the above rescalings will then be redistributed to the Small Stocks in the following iterative 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 Index 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 component security in the ranking, the less the scale-up of its weight. This is intended to reduce the market impact of the weight rebalancing on the smallest component securities in the NASDAQ-100 Index®.

In the second iteration, 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 index weight of 1%. 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 component stock in the ranking, the less the scale-up of its weight.

Additional iterations will be performed until the accumulated increase in weight among the Small Stocks exactly equals the aggregate weight reduction among the Large Stocks from rebalancing in accordance with weight distribution requirement (1) and/or weight distribution requirement (2).

Then, to complete the rebalancing procedure, once the final percent weights of each of the component securities are set, the share weights will be determined anew based upon the last sale prices and aggregate capitalization of the NASDAQ-100 Index® at the close of trading on the last day in February, May, August and November. Changes to the share weights 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 will be made to ensure continuity of the NASDAQ-100 Index®.

Ordinarily, new rebalanced weights will be determined by applying the above procedures to the current share weights. However, Nasdaq, Inc. may from time to time determine rebalanced weights, if necessary, by instead applying the above procedure to the actual current market capitalization of the component securities. In those instances, Nasdaq, Inc. would announce the different basis for rebalancing prior to its implementation.

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## Computation of the Dow Jones Industrial Average®

The level of the Dow Jones Industrial Average® is the sum of the primary exchange prices of each of the 30 component stocks included in the Dow Jones Industrial Average®, divided by a divisor that is designed to provide a meaningful continuity in the level of the Dow Jones Industrial Average®. Because the Dow Jones Industrial Average® is price-weighted, stock splits or changes in the component stocks could result in distortions in the index level. In order to prevent these distortions related to extrinsic factors, the divisor is periodically changed in accordance with a mathematical formula that reflects adjusted proportions within the Dow Jones Industrial Average®. The current divisor of the Dow Jones Industrial Average® is published daily in the WSJ and other publications. In addition, other statistics based on the Dow Jones Industrial Average® may be found in a variety of publicly available sources.

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