

BANK OF MONTREAL /CAN/  
Form FWP  
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Subject to Completion, dated January 16, 2019

Pricing Supplement to the Prospectus dated April 27, 2017,  
the Prospectus Supplement dated September 23, 2018, and the Product Supplement dated May 1, 2017

### **Senior Medium-Term Notes, Series E**

### **Contingent Risk Absolute Return Notes due January 29, 2021**

### **Each Linked to a Single Exchange Traded Fund**

This pricing supplement relates to two separate note offerings. Each issue of the notes is linked to one, and only one, Underlying Asset named below. You may participate in either offering or, at your election, both of the offerings. This pricing supplement does not, however, allow you to purchase a single note linked to a basket of the Underlying Assets.

An investor in the notes may lose all or a significant portion of their principal amount at maturity, as set forth below.

The notes are designed for investors who seek a one-to-one return based on the appreciation in the share price of the applicable Underlying Asset. In addition, if a Barrier Event (as defined below) does not occur, and if the Final Level of the Underlying Asset is less than the Initial Level, you will receive a *positive* return on your notes equal to the percentage by which that price *declines* up to the applicable Maximum Downside Redemption Amount per \$1,000 in principal amount of the notes, as defined below.

If a Barrier Event occurs, and the Final Level is less than the Initial Level, investors will lose 1% of their principal amount for each 1% decrease in the price of the applicable Underlying Asset from the Pricing Date to the Valuation Date.

A “Barrier Event” will occur if the closing price of the applicable Underlying Asset on any trading day from the Pricing Date to the Valuation Date is less than the applicable Barrier Level.

- The notes will not bear interest. The notes will not be listed on any securities exchange.
- Any payment at maturity is 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”).

**Common Terms for Each of the Notes:**

**Pricing Date:** On or about January 28, 2019    **Valuation Date:** On or about January 26, 2021

**Settlement Date:** On or about January 31, 2019    **Maturity Date:** On or about January 29, 2021

**Specific Terms for Each of the Notes:**

| Underlying Asset                         | Initial Level* | Barrier Level (% of Initial Level)* | Maximum Downside Redemption Amount* | CUSIP     | Principal Amount* | Price to Public <sup>(1)</sup> | Agent’s Commission <sup>(1)</sup> | Proceeds to Bank of Montreal |
|--|----------------|-------------------------------------|-------------------------------------|-----------|-------------------|--------------------------------|-----------------------------------|------------------------------|
| iShares® MSCI EAFE ETF (EFA)             | [69%-73%]      |                                     | [\$1,270 – 1,310]                   | 06367WGW7 | US\$              | 100%                           | 0.25%                             | 99.75%                       |
| iShares® MSCI Emerging Markets ETF (EEM) | [69%-73%]      |                                     | [\$1,270 – 1,310]                   | 06367WGX5 | US\$              | 100%                           | 0.25%                             | 99.75%                       |

\* The actual principal amount, Initial Level, Barrier Level and Maximum Downside Redemption Amount for each note will be set on the Pricing Date.

<sup>(1)</sup> 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 between \$997.50 and \$1,000 per \$1,000 in principal amount.

*Investing in the notes involves risks, including those described in the “Selected Risk Considerations” section beginning on page P-5 of this pricing supplement, the “Additional Risk Factors Relating to the Notes” section beginning on page PS-4 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 or disapproved of these notes or passed upon the accuracy of this pricing supplement, 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 Fund, the Canada Deposit Insurance Corporation or any other governmental agency or instrumentality or other entity.

On the date of this preliminary pricing supplement, the estimated initial value of the notes is \$971.60 per \$1,000 in principal amount as to the notes linked to EFA, and \$971.70 per \$1,000 in principal amount as to the notes linked to EEM. The estimated initial value of the notes on the Pricing Date may differ from this value but will not be less than \$950 per \$1,000 in principal amount in each case. However, as discussed in more detail in this pricing supplement, the actual value of each of the notes at any time will reflect many factors and cannot be predicted with accuracy.

**BMO CAPITAL MARKETS**

**Key Terms of Each of the Notes:**

General: This pricing supplement relates to two separate offerings of notes. Each offering is a separate offering of notes linked to one, and only one, Underlying Asset. If you wish to participate in both of the offerings, you must purchase each of the notes separately. The notes offered by this pricing supplement do not represent notes linked to a basket of the Underlying Assets.

If the Percentage Change is positive, then the amount that the investors will receive at maturity for each \$1,000 in principal amount of the notes will equal:

$$\text{Principal Amount} + (\text{Principal Amount} \times \text{Percentage Change})$$

Payment at Maturity:

If the Percentage Change is less than or equal to zero, and a Barrier Event has not occurred, then the amount that the investors will receive at maturity for each \$1,000 in principal amount of the notes will equal:

$$\text{Principal Amount} + (-1 \times \text{Principal Amount} \times \text{Percentage Change})$$

*In this case, subject to our credit risk, investors will receive a positive return on the notes up to the Maximum Downside Redemption Amount, even though the price of the Underlying Asset has declined since the Pricing Date.*

If the Percentage Change is less than or equal to zero, and a Barrier Event has occurred, then the amount that the investors will receive at maturity for each \$1,000 in principal amount of the notes will equal:

$$\text{Principal Amount} + (\text{Principal Amount} \times \text{Percentage Change})$$

*In this case, investors will lose all or a portion of the principal amount of the notes.*

Initial Level: The closing price of one share of the applicable Underlying Asset on the Pricing Date.

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|                       |  |
|-----------------------|--|
| Final Level:          | The closing price of one share of the applicable Underlying Asset on the Valuation Date.   |
| Percentage Change:    | $\frac{\text{Final Level} - \text{Initial Level}}{\text{Initial Level}}$ , expressed as a percentage.  |
| Barrier Event:        | A Barrier Event will occur if the closing price of the applicable Underlying Asset on any trading day from the Pricing Date to the Valuation Date is less than the applicable Barrier Level. |
| Pricing Date:         | On or about January 28, 2019   |
| Settlement Date:      | On or about January 31, 2019, as determined on the Pricing Date.   |
| Valuation Date:       | On or about January 26, 2021, as determined on the Pricing Date.   |
| Maturity Date:        | On or about January 29, 2021, as determined on the Pricing Date.   |
| Monitoring Period:    | Each trading day from the Pricing Date to, and including, the Valuation Date, excluding any trading day on which a market disruption event has occurred or is continuing.                    |
| Monitoring Method:    | Close of trading day   |
| Automatic Redemption: | Not applicable.  |
| Calculation Agent:    | BMOCM  |
| Selling Agent:        | BMOCM  |

**Key Terms of the Notes Linked to the iShares® MSCI EAFE ETF:**

Underlying Asset: iShares® MSCI EAFE ETF (NYSE Arca symbol: EFA). See the section below entitled “The Underlying Assets— iShares® MSCI EAFE ETF” for additional information about this Underlying Asset.

Maximum  
Downside  
Redemption  
Amount:            \$[1,270 – 1,310]

Barrier Level (%  
of Initial  
Level):            [69%-73%]. Accordingly, you could lose up to [69%-73%] of the principal amount, as determined on the Pricing Date.

Automatic  
Redemption:       Not applicable.

CUSIP:             06367WG7

**Key Terms of the Notes Linked to the iShares® MSCI Emerging Markets ETF:**

Underlying Asset: iShares® MSCI Emerging Markets ETF (NYSE Arca symbol: EEM). See the section below entitled “The Underlying Assets— iShares® MSCI Emerging Markets ETF” for additional information about this Underlying Asset.

Maximum  
Downside  
Redemption  
Amount:            \$[1,270 – 1,310]

Buffer Level (%  
of Initial  
Level):            [69%-73%]. Accordingly, you could lose up to [69%-73%] of the principal amount, as determined on the Pricing Date.

Automatic  
Redemption:       Not applicable.

CUSIP: 06367WGX5

*The Pricing Date and the Settlement Date are subject to change. The actual Pricing Date, Settlement Date, Valuation Date, Maturity Date, and Initial Level for each of the notes will be set forth in the final pricing supplement.*

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**Payoff Example**

The following table shows the hypothetical payout profile of an investment in the notes reflecting a hypothetical Barrier Level of 73%, and a hypothetical Maximum Downside Redemption Amount of \$1,270. Please see the hypothetical examples below for more detailed examples.

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### Additional Terms of the Notes

You should read this pricing supplement together with the product supplement dated May 1, 2017, the prospectus supplement dated September 23, 2018 and the prospectus dated April 27, 2017. **This pricing supplement, together with the documents listed below, contains the terms of each 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](http://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 May 1, 2017:

<https://www.sec.gov/Archives/edgar/data/927971/000121465917002864/d427171424b5.htm>

Prospectus supplement dated September 23, 2018:

<https://www.sec.gov/Archives/edgar/data/927971/000119312518280416/d624491d424b5.htm>

Prospectus dated April 27, 2017:

<https://www.sec.gov/Archives/edgar/data/927971/000119312517142728/d254784d424b2.htm>

References in the above product supplement to the prospectus supplement will be deemed to be references to the prospectus supplement dated September 23, 2018.

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

We have filed a registration statement (including a prospectus) with the SEC for the offerings 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 these offerings. 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.

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## Selected Risk Considerations

An investment in the notes involves significant risks. Investing in the notes is not equivalent to investing directly in the applicable Underlying Asset. These risks are explained in more detail in the “Additional Risk Factors Relating to the Notes” section of the product supplement.

**Your investment in the notes may result in a loss.** — You may lose some or all of your investment in the notes. The payment at maturity will be based on the applicable Final Level, and whether a Barrier Event occurs. If the closing price of the applicable Underlying Asset is less than the Barrier Level during the Monitoring Period, a Barrier Event will have occurred, and the protection provided by the Barrier Level will terminate. **Under these circumstances, you could lose some or all of the principal amount of your notes.**

**The protection provided by the Barrier Level may terminate on any day during the Monitoring Period.** — If the closing price of the applicable Underlying Asset on any trading day during the Monitoring Period is less than the Barrier Level, you will be fully exposed at maturity to any decrease in the price of the Underlying Asset. Under these circumstances, if the Percentage Change on the Valuation Date is less than zero, you will lose 1% (or a fraction thereof) of the principal amount of your investment for every 1% (or a fraction thereof) that the Percentage Change is less than the Initial Level. You will be subject to this potential loss of principal even if, after the Barrier Event, the price of the Underlying Asset increases above the Barrier Level.

**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 the amount due at maturity, 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 shares of the Underlying Assets or securities held by the Underlying Assets 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 prices of the Underlying Assets and, therefore, the market value of 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 Underlying Assets. By introducing competing products into the marketplace 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 each of the notes is only an estimate, and is based on a number of factors. The price to public of each 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 the 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 each of these notes may be as low as the applicable amount indicated on the cover page of this pricing supplement.

**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 each of the notes as of the date of this preliminary pricing supplement 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 applicable Underlying Asset, 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 each of the notes could change dramatically due to changes in market conditions, our creditworthiness, and the other factors set forth in this pricing supplement and the product supplement. The value of each of the notes after the Pricing Date is not expected to correlate with one another. 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 values do 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 the 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.

**Owning the notes is not the same as owning shares of the applicable Underlying Asset or a security directly linked to the applicable Underlying Asset.** — The return on your notes will not reflect the return you would realize if you actually owned shares of the applicable Underlying Asset or a security directly linked to the performance of the applicable Underlying Asset and held that investment for a similar period. Your notes may trade quite differently from the applicable Underlying Asset. Changes in the price of the applicable Underlying Asset may not result in comparable changes in the market value of your notes. Even if the price of the applicable Underlying Asset increases 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 price of the applicable Underlying Asset increases. In addition, any dividends or other distributions paid on the applicable Underlying Asset will not be reflected in the amount payable on the notes.

**You will not have any shareholder rights and will have no right to receive any shares of the applicable Underlying Asset at maturity.** — Investing in your notes will not make you a holder of any shares of the applicable Underlying Asset or any securities held by the applicable Underlying Asset. 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 the applicable Underlying Asset or such other securities.

**Changes that affect the applicable Underlying Index will affect the market value of the notes and the amount you will receive at maturity.** — The policies of MSCI Inc. (the “Index Sponsor”), the sponsor of the MSCI EAFE Index and the MSCI Emerging Markets Index (each, an “Underlying Index”), concerning the calculation of the applicable Underlying Index, additions, deletions or substitutions of the components of the applicable Underlying Index and the manner in which changes affecting those components, such as stock dividends, reorganizations or mergers, may be reflected in the applicable Underlying Index, and, therefore, could affect the share price of the applicable Underlying Asset, the amount payable on the notes at maturity, and the market value of the notes prior to maturity. The amount payable on the notes and their market value could also be affected if the Index Sponsor changes these policies, for example, by changing the manner in which it calculates the applicable Underlying Index, or if the Index Sponsor discontinues or suspends the calculation or publication of the applicable Underlying Index.

**We have no affiliation with the Index Sponsor and will not be responsible for any actions taken by the Index Sponsor.** —The Index Sponsor is not our affiliate and will not be involved in the offerings of the notes in any way. Consequently, we have no control over the actions of the Index Sponsor, including any actions of the type that would require the calculation agent to adjust the payment to you at maturity. The Index Sponsor has no 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.

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**Adjustments to the applicable Underlying Asset could adversely affect the notes.** —BlackRock, Inc. (collectively with its affiliates, “BlackRock”), as the sponsor and advisor of the Underlying Assets, is responsible for calculating and maintaining each of the Underlying Assets. BlackRock can add, delete or substitute the stocks comprising the applicable Underlying Asset or may make other methodological changes that could change the share price of the applicable Underlying Asset at any time. If one or more of these events occurs, the calculation of the amount payable at maturity may be adjusted to reflect such event or events. Consequently, any of these actions could adversely affect the amount payable at maturity and/or the market value of the applicable notes.

**We and our affiliates do not have any affiliation with the investment advisor of the Underlying Assets and are not responsible for its public disclosure of information.** —The investment advisor of the Underlying Assets advises each Underlying Asset on various matters including matters relating to the policies, maintenance and calculation of the applicable Underlying Asset. We and our affiliates are not affiliated with the investment advisor in any way and have no ability to control or predict its actions, including any errors in or discontinuance of disclosure regarding its methods or policies relating to any of the Underlying Assets. The investment advisor is not involved in the offerings of the notes in any way and has no obligation to consider your interests as an owner of the applicable notes in taking any actions relating to the applicable Underlying Asset that might affect the value of those notes. Neither we nor any of our affiliates has independently verified the adequacy or accuracy of the information about the investment advisor or the Underlying Assets contained in any public disclosure of information. You, as an investor in the applicable notes, should make your own investigation into the applicable Underlying Asset.

**The correlation between the performance of the applicable Underlying Asset and the performance of the applicable Underlying Index may be imperfect.** — The performance of the applicable Underlying Asset is linked principally to the performance of the applicable Underlying Index. However, because of the potential discrepancies identified in more detail in the product supplement, the return on the applicable Underlying Asset may correlate imperfectly with the return on the applicable Underlying Index.

**The applicable Underlying Asset is subject to management risks.** — The applicable Underlying Asset is subject to management risk, which is the risk that the investment advisor’s investment strategy, the implementation of which is subject to a number of constraints, may not produce the intended results. For example, the investment advisor may invest a portion of the applicable Underlying Asset’s assets in securities not included in the relevant industry or sector but which the investment advisor believes will help the applicable Underlying Asset track the relevant industry or sector.

**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 your 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 may carry out hedging activities related to the notes, including purchasing or selling shares of an Underlying Asset or securities held by the applicable Underlying Asset, or futures or options relating to the applicable Underlying Asset, or other derivative instruments with returns linked or related to changes in the performance of the applicable Underlying Asset. We or our affiliates may also engage in

trading of shares of the applicable Underlying Asset or securities included in the applicable Underlying Index 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 our payment to you at maturity.

**Many economic and market factors will influence the value of the notes.** — In addition to the price of the applicable Underlying Asset 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.

**You must rely on your own evaluation of the merits of an investment linked to the applicable Underlying Asset.** — In the ordinary course of their businesses, our affiliates from time to time may express views on expected movements in the price of the applicable Underlying Asset or the prices of the securities held by the applicable Underlying Asset. One or more of our affiliates have published, and in the future may publish, research reports that express views on the applicable Underlying Asset 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 applicable Underlying Asset at any time may have significantly different views from those of our affiliates. You are encouraged to derive information concerning the applicable Underlying Asset 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.

**An investment in the notes is subject to risks associated with foreign securities markets.** — Each Underlying 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 either of these Underlying Indices 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, capital reinvestment, resources and self-sufficiency.

**An investment in the notes is subject to foreign currency exchange rate risk.** — The share prices of the Underlying Assets will fluctuate based upon their respective net asset value, which will in turn depend in part upon changes in the value of the currencies in which the stocks held by these funds are traded. Accordingly, investors in the applicable notes will be exposed to currency exchange rate risk with respect to each of the currencies in which the stocks held by these funds are traded. An investor's net exposure will depend on the extent to which these currencies strengthen or weaken against the U.S. dollar. If the dollar strengthens against these currencies, the net asset value of these funds will be adversely affected and the price of the applicable Underlying Asset may decrease.

**Significant aspects of the tax treatment of the notes are uncertain.** — The tax treatment of each 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 each of the notes, and the Internal Revenue Service or a court may not agree with the tax treatment described in this pricing supplement.

The Internal Revenue Service has issued a notice indicating that it and the Treasury Department are actively considering whether, among other issues, a holder should be required to accrue interest over the term of an instrument such as the notes even though that holder will not receive any payments with respect to the notes until maturity and whether all or part of the gain a holder may recognize upon sale or maturity of an instrument such as the notes could

be treated as ordinary income. The outcome of this process is uncertain and could apply on a retroactive basis.

Please read carefully the section entitled “U.S. Federal Tax Information” in this pricing supplement, 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.

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**Hypothetical Return on the Notes at Maturity**

The following table and examples illustrate the hypothetical return at maturity on a \$1,000 investment in the notes. The “return,” as used in this section is the number, expressed as a percentage, which results from comparing the payment at maturity per \$1,000 in principal amount of the notes to \$1,000. The hypothetical total returns set forth below are based on a hypothetical Initial Level of \$100, and a hypothetical Barrier Level of \$73.00 (73.00% of the hypothetical Initial Level). The hypothetical returns set forth below are for illustrative purposes only and may not be the actual returns applicable to investors in the notes. The numbers appearing in the following table and in the examples below have been rounded for ease of analysis.

| <b>Hypothetical Final Level</b> | <b>Percentage Change</b> | <b>If a Barrier Event Has Not Occurred</b> | <b>If a Barrier Event Has Occurred</b>   |  |  |
|---------------------------------|--------------------------|--|--|--|--|
|                                 |                          | <b>Return on the Payment at Maturity</b>   | <b>Return on the Payment at Maturity</b> | <b>Return on the Payment at Maturity</b> | <b>Return on the Payment at Maturity</b> |
| \$150.00                        | 50.00%                   | 50.00%                                     | \$1,500.00                               | 50.00%                                   | \$1,500.00                               |
| \$140.00                        | 40.00%                   | 40.00%                                     | \$1,400.00                               | 40.00%                                   | \$1,400.00                               |
| \$130.00                        | 30.00%                   | 30.00%                                     | \$1,300.00                               | 30.00%                                   | \$1,300.00                               |
| \$120.00                        | 20.00%                   | 20.00%                                     | \$1,200.00                               | 20.00%                                   | \$1,200.00                               |
| \$115.00                        | 15.00%                   | 15.00%                                     | \$1,150.00                               | 15.00%                                   | \$1,150.00                               |
| \$110.00                        | 10.00%                   | 10.00%                                     | \$1,100.00                               | 10.00%                                   | \$1,100.00                               |
| <b>\$100.00</b>                 | <b>0.00%</b>             | <b>0.00%</b>                               | <b>\$1,000.00</b>                        | <b>0.00%</b>                             | <b>\$1,000.00</b>                        |
| \$95.00                         | -5.00%                   | 5.00%                                      | \$1,050.00                               | -5.00%                                   | \$950.00                                 |
| \$90.00                         | -10.00%                  | 10.00%                                     | \$1,100.00                               | -10.00%                                  | \$900.00                                 |
| \$85.00                         | -15.00%                  | 15.00%                                     | \$1,150.00                               | -15.00%                                  | \$850.00                                 |
| \$80.00                         | -20.00%                  | 20.00%                                     | \$1,200.00                               | -20.00%                                  | \$800.00                                 |
| <b>\$73.00</b>                  | <b>-27.00%</b>           | <b>27.00%</b>                              | <b>\$1,270.00</b>                        | <b>-27.00%</b>                           | <b>\$730.00</b>                          |
| \$70.00                         | -30.00%                  | N/A  | N/A                                      | -30.00%                                  | \$700.00                                 |
| \$60.00                         | -40.00%                  | N/A  | N/A                                      | -40.00%                                  | \$600.00                                 |
| \$50.00                         | -50.00%                  | N/A  | N/A                                      | -50.00%                                  | \$500.00                                 |
| \$40.00                         | -60.00%                  | N/A  | N/A                                      | -60.00%                                  | \$400.00                                 |
| \$30.00                         | -70.00%                  | N/A  | N/A                                      | -70.00%                                  | \$300.00                                 |
| \$20.00                         | -80.00%                  | N/A  | N/A                                      | -80.00%                                  | \$200.00                                 |
| \$10.00                         | -90.00%                  | N/A  | N/A                                      | -90.00%                                  | \$100.00                                 |

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

The following examples illustrate how the returns set forth in the table above are calculated.

**Example 1: The price of the Underlying Asset decreases from the hypothetical Initial Level of \$100 to a hypothetical Final Level of \$55.00, representing a Percentage Change of -45%.** Because the Percentage Change is negative and the hypothetical Final Level of \$55.00 is less than the hypothetical Barrier Level, the investor receives a payment at maturity of \$550.00 per \$1,000 in principal amount of the notes, calculated as follows:

Principal Amount + (Principal Amount x Percentage Change) = Payment at Maturity

$$\$1,000 + (\$1,000 \times -45\%) = \$550$$

**Example 2: The price of the Underlying Asset decreases from the hypothetical Initial Level of \$100 to a hypothetical Final Level of \$90.00, representing a Percentage Change of -10%, and a Barrier Event has occurred during the Monitoring Period.** Because the hypothetical Final Level of \$90.00 is less than the hypothetical Initial Level and a Barrier Event has occurred, the investor receives a payment at maturity of \$900 per \$1,000 in principal amount of the notes, calculated as follows:

Principal Amount + [Principal Amount x Percentage Change] = Payment at Maturity

$$\$1,000 + [\$1,000 \times -10\%] = \$900$$

**Example 3: The price of the Underlying Asset decreases from the hypothetical Initial Level of \$100 to a hypothetical Final Level of \$90.00 representing a Percentage Change of -10%, but a Barrier Event has not occurred during the Monitoring Period.** Because the hypothetical Final Level of \$90.00 is less than the hypothetical Initial Level and a Barrier Event has not occurred, the investor receives a payment at maturity of \$1,100 per \$1,000 in principal amount of the notes, calculated as follows:

Principal Amount + [-1 x Principal Amount x Percentage Change] = Payment at Maturity

$$\$1,000 + [-1 \times \$1,000 \times -10\%] = \$1,100$$

In this case, you will receive a positive return on the notes, even though the price of the Underlying Asset has declined.

**Example 4: The price of the Underlying Asset increases from the hypothetical Initial Level of \$100 to a hypothetical Final Level of \$110.00, representing a Percentage Change of 10%.** Because the hypothetical Final Level of \$110.00 is greater than the hypothetical Initial Level, the investor receives a payment at maturity of \$1,100 per \$1,000 in principal amount of the notes, calculated as follows:

$$\text{Principal Amount} + [\text{Principal Amount} \times \text{Percentage Change}] = \text{Payment at Maturity}$$

$$\$1,000 + [\$1,000 \times 10\%] = \$1,100$$

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## **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 cash-settled derivative contract 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 (including the opinion of our counsel Morrison & Foerster LLP) in the product supplement under “Supplemental Tax Considerations—Supplemental U.S. Federal Income Tax Considerations,” which applies to the notes, except that the following disclosure supplements, and to the extent inconsistent supersedes, the discussion in the product supplement. The discussions below and in the accompanying product supplement do not apply to holders subject to special rules including holders subject to Section 451(b) of the Code.

Under current Internal Revenue Service guidance, withholding on “dividend equivalent” payments (as discussed in the product supplement), if any, will not apply to notes that are issued as of the date of this pricing supplement unless such notes are “delta-one” instruments. Based on our determination that the notes are not delta-one instruments, non-U.S. holders should not generally be subject to withholding on dividend equivalent payments, if any, under the notes.

The accompanying product supplement notes that FATCA withholding on payments of gross proceeds from a sale or redemption of notes will only apply to payments made after December 31, 2018. That discussion is modified to reflect regulations proposed by the U.S. Treasury Department in December 2018 indicating an intent to eliminate the requirement under FATCA of withholding on gross proceeds of the disposition of financial instruments. The U.S. Treasury Department has indicated that taxpayers may rely on the proposed regulations pending their finalization. Prospective investors are urged to consult with their own tax advisors regarding the possible implications of FATCA on their investment in 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 page of this pricing supplement. 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.

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 two business days following the Pricing Date. Under Rule 15c6-1 of the Securities Exchange Act of 1934, trades in the secondary market generally are required to settle in two business days, 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.

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 applicable Underlying Asset 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) the 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.

No Prospectus (as defined in Directive 2003/71/EC (as amended, the “Prospectus Directive”)) will be prepared in connection with the notes. Accordingly, the notes may not be offered to the public in any member state of the European Economic Area (the “EEA”), and any purchaser of the notes who subsequently sells any of the notes in any EEA member state must do so only in accordance with the requirements of the Prospectus Directive, as implemented in that member state.

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 EEA. For these purposes, the expression “offer” includes the communication in any form and by any means of sufficient information on the terms of the offer and the notes to be offered so as to enable an investor to decide to purchase or subscribe the notes, and a “retail investor” means a person who is one (or more) of: (a) a retail client, as defined in point (11) of Article 4(1) of Directive 2014/65/EU (as amended, “MiFID II”); or (b) a customer, within the meaning of Insurance Distribution Directive 2016/97/EU, 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 (c) not a qualified investor as defined in the Prospectus Directive. 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.

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

Our estimated initial value of each of the notes on the date of this preliminary pricing supplement, 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 are 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 each of the notes on the Pricing Date will be determined based on market conditions at that time.

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## The Underlying Assets

We have derived the following information regarding each of the applicable Underlying Assets from publicly available documents. We have not independently verified the accuracy or completeness of the following information. We are not affiliated with any of the Underlying Assets and the Underlying Assets will have no obligations with respect to the applicable notes. This pricing supplement relates only to the applicable notes and does not relate to the shares of any of the Underlying Asset or any securities included in any of the Underlying Indices. Neither we nor our affiliates participates in the preparation of the publicly available documents described below. Neither we nor our affiliates has made any due diligence inquiry with respect to any of the Underlying Assets in connection with the offering of any of the notes. There can be no assurance that all events occurring prior to the date of this pricing supplement, including events that would affect the accuracy or completeness of the publicly available documents described below, that would affect the trading prices of the shares of any of the Underlying Assets have been or will be publicly disclosed. Subsequent disclosure of any events or the disclosure of or failure to disclose material future events concerning any of the Underlying Assets could affect the price of the shares of the applicable Underlying Asset after the Pricing Date, and therefore could affect the payment at maturity.

Investors in the notes are encouraged to review recent prices of the applicable Underlying Asset prior to making an investment decision.

The selection of the applicable Underlying Asset relating to any of the notes is not a recommendation to buy or sell the shares of the applicable Underlying Asset. Neither we nor any of our affiliates make any representation to you as to the performance of the shares of any of the Underlying Assets. Information provided to or filed with the SEC under the Securities Exchange Act of 1934 and the Investment Company Act of 1940 relating to each Underlying Asset may be obtained through the SEC's website at <http://www.sec.gov>. None of that information is included or incorporated by reference in this pricing supplement.

iShares consists of numerous separate investment portfolios (the "iShares Funds"), including the applicable Underlying Asset. Each of the Underlying Assets seeks investment results that correspond generally to the price and yield performance, before fees and expenses, of their respective Underlying Indices. The Underlying Assets typically earn income from dividends from securities held by the Underlying Assets. These amounts, net of expenses and taxes (if applicable), are passed along to the Underlying Assets' shareholders as "ordinary income." In addition, the Underlying Assets realizes capital gains or losses whenever they sell securities. Net long-term capital gains are distributed to their respective shareholders as "capital gain distributions." However, because the applicable notes are linked only to the share price of the applicable Underlying Asset, you will not be entitled to receive income, dividend, or capital gain distributions from the applicable Underlying Asset or any equivalent payments.

"iShare®" and "BlackRock®" are registered trademarks of BlackRock®. The notes are not sponsored, endorsed, sold, or promoted by BlackRock®, or by any of the iShares® Funds. Neither BlackRock® nor the iShares® Funds make any

representations or warranties to the owners of any of the notes or any member of the public regarding the advisability of investing in any of the notes. Neither BlackRock® nor the iShares® Funds shall have any obligation or liability in connection with the registration, operation, marketing, trading, or sale of any of the notes or in connection with our use of information about any of the Underlying Assets or any of the iShares® Funds.

*iShares® MSCI EAFE ETF*

The iShares® MSCI EAFE ETF is intended to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of the MSCI EAFE Index. This Underlying Asset trades on NYSE Arca under the ticker symbol “EFA.”

*The MSCI EAFE Index*

We have derived all information contained in this pricing supplement regarding the MSCI EAFE Index, including, without limitation, its make-up, method of calculation and changes in its components, from publicly available information. The information reflects the policies of, and is subject to change by MSCI. MSCI has no obligation to continue to publish, and may discontinue publication of, the MSCI EAFE Index.

The MSCI EAFE Index is intended to measure equity market performance in developed market countries, excluding the U.S. and Canada. The MSCI EAFE Index is a free float-adjusted market capitalization equity index with a base date of December 31, 1969 and an initial value of 100. The MSCI EAFE Index is calculated daily in U.S. dollars and published in real time every 60 seconds during market trading hours. The MSCI EAFE Index currently consists of the following 21 developed market country indices: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, The Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom.

The MSCI EAFE Index is part of the MSCI Regional Equity Indices series and is an MSCI Global Investable Market Index, which is a family within the MSCI International Equity Indices.

***iShares® MSCI Emerging Markets ETF***

The iShares® MSCI Emerging Markets ETF is intended to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of the MSCI Emerging Markets Index. This Underlying Asset trades on NYSE Arca under the ticker symbol “EEM.”

***The MSCI Emerging Markets Index***

The MSCI Emerging Markets Index is intended to measure equity market performance in the global emerging markets. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index with a base date of December 31, 1987 and an initial value of 100. The MSCI Emerging Markets Index is calculated daily in U.S. dollars and published in real time every 60 seconds during market trading hours. The MSCI Emerging Markets Index currently consists of the following 24 emerging market country indices: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, South Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Russia, Qatar, South Africa, Taiwan, Thailand, Turkey and the United Arab Emirates.

The MSCI Emerging Markets Index is part of the MSCI Regional Equity Indices series and is an MSCI Global Investable Market Index, which is a family within the MSCI International Equity Indices. MSCI is the Index Sponsor of the MSCI Emerging Markets Index.

***General - MSCI Global Investable Market Indices***

MSCI provides global equity indices intended to measure equity performance in international markets and the MSCI International Equity Indices are designed to serve as global equity performance benchmarks. In constructing these indices, MSCI applies its index construction and maintenance methodology across developed, emerging, and frontier markets.

MSCI enhanced the methodology used in its MSCI International Equity Indices. The MSCI Standard and MSCI Small Cap Indices, along with the other MSCI equity indices based on them, transitioned to the global investable market

indices methodology described below. The transition was completed at the end of May 2008. The Enhanced MSCI Standard Indices are composed of the MSCI Large Cap and Mid Cap Indices. The MSCI Global Small Cap Index transitioned to the MSCI Small Cap Index resulting from the Global Investable Market Indices methodology and contains no overlap with constituents of the transitioned MSCI Standard Indices. Together, the relevant MSCI Large Cap, Mid Cap, and Small Cap Indices will make up the MSCI investable market index for each country, composite, sector, and style index that MSCI offers.

*Constructing the MSCI Global Investable Market Indices.* MSCI undertakes an index construction process, which involves:

- defining the equity universe;
- determining the market investable equity universe for each market;
- determining market capitalization size segments for each market;
- applying index continuity rules for the MSCI Standard Index;
  - creating style segments within each size segment within each market; and
- classifying securities under the Global Industry Classification Standard (the “GICS”).

*Defining the Equity Universe.* The equity universe is defined by:

Identifying Eligible Equity Securities: the equity universe initially looks at securities listed in any of the countries in the MSCI Global Index Series, which will be classified as either Developed Markets (“DM”) or Emerging Markets (“EM”). All listed equity securities, or listed securities that exhibit characteristics of equity securities, except mutual funds, exchange traded funds, equity derivatives, limited partnerships, and most investment trusts, are eligible for inclusion in the equity universe. Real Estate Investment Trusts (“REITs”) in some countries and certain income trusts in Canada are also eligible for inclusion.

Classifying Eligible Securities into the Appropriate Country: each company and its securities (i.e., share classes) are classified in only one country.

*Determining the Market Investable Equity Universes.* A market investable equity universe for a market is derived by applying investability screens to individual companies and securities in the equity universe that are classified in that market. A market is equivalent to a single country, except in DM Europe, where all DM countries in Europe are aggregated into a single market for index construction purposes. Subsequently, individual DM Europe country indices within the MSCI Europe Index are derived from the constituents of the MSCI Europe Index under the global investable market indices methodology.

The investability screens used to determine the investable equity universe in each market are as follows:

*Equity Universe Minimum Size Requirement:* this investability screen is applied at the company level. In order to be included in a market investable equity universe, a company must have the required minimum full market capitalization.

*Equity Universe Minimum Free Float–Adjusted Market Capitalization Requirement:* this investability screen is applied at the individual security level. To be eligible for inclusion in a market investable equity universe, a security must have a free float–adjusted market capitalization equal to or higher than 50% of the equity universe minimum size requirement.

*DM and EM Minimum Liquidity Requirement:* this investability screen is applied at the individual security level. To be eligible for inclusion in a market investable equity universe, a security must have adequate liquidity. The twelve-month and three-month Annual Traded Value Ratio (“ATVR”), a measure that screens out extreme daily trading volumes and takes into account the free float–adjusted market capitalization size of securities, together with the three-month frequency of trading are used to measure liquidity. In the calculation of the ATVR, the trading volumes in depository receipts associated with that security, such as ADRs or GDRs, are also considered. A minimum liquidity level of 20% of three- and twelve-month ATVR and 90% of three-month frequency of trading over the last four consecutive quarters are required for inclusion of a security in a market investable equity universe of a DM, and a minimum liquidity level of 15% of three- and twelve-month ATVR and 80% of three-month frequency of trading over the last four consecutive quarters are required for inclusion of a security in a market investable equity universe of an EM.

*Global Minimum Foreign Inclusion Factor Requirement:* this investability screen is applied at the individual security level. To be eligible for inclusion in a market investable equity universe, a security’s Foreign Inclusion Factor (“FIF”) must reach a certain threshold. The FIF of a security is defined as the proportion of shares outstanding that is available for purchase in the public equity markets by international investors. This proportion accounts for the available free float of and/or the foreign ownership limits applicable to a specific security (or company). In general, a security must have an FIF equal to or larger than 0.15 to be eligible for inclusion in a market investable equity universe.

*Minimum Length of Trading Requirement:* this investability screen is applied at the individual security level. For an initial public offering (“IPO”) to be eligible for inclusion in a market investable equity universe, the new issue must have started trading at least four months before the implementation of the initial construction of the index or at least three months before the implementation of a semi-annual index review (as described below). This requirement is applicable to small new issues in all markets. Large IPOs are not subject to the minimum length of trading requirement and may be included in a market investable equity universe and the Standard Index outside of a Quarterly or Semi-Annual Index Review.

*Defining Market Capitalization Size Segments for Each Market.* Once a market investable equity universe is defined, it is segmented into the following size-based indices:

· Investable Market Index (Large + Mid + Small);

· Standard Index (Large + Mid);

· Large Cap Index;

· Mid Cap Index; or

· Small Cap Index.

Creating the size segment indices in each market involves the following steps:

- defining the market coverage target range for each size segment;
- determining the global minimum size range for each size segment;
- determining the market size–segment cutoffs and associated segment number of companies;
- assigning companies to the size segments; and
- applying final size–segment investability requirements.

*Index Continuity Rules for the Standard Indices.* In order to achieve index continuity, as well as to provide some basic level of diversification within a market index, and notwithstanding the effect of other index construction rules described in this section, a minimum number of five constituents will be maintained for a DM Standard Index and a minimum number of three constituents will be maintained for an EM Standard Index.

*Creating Style Indices within Each Size Segment.* All securities in the investable equity universe are classified into value or growth segments using the MSCI Global Value and Growth methodology.

*Classifying Securities under the Global Industry Classification Standard.* All securities in the global investable equity universe are assigned to the industry that best describes their business activities. To this end, MSCI has designed, in conjunction with Standard & Poor's, the GICS. Under the GICS, each company is assigned to one sub–industry according to its principal business activity. Therefore, a company can belong to only one industry grouping at each of the four levels of the GICS.

#### *Index Maintenance*

The MSCI Global Investable Market Indices are maintained with the objective of reflecting the evolution of the underlying equity markets and segments on a timely basis, while seeking to achieve index continuity, continuous investability of constituents and replicability of the indices, and index stability and low index turnover. In particular, index maintenance involves:



(i) Semi-Annual Index Reviews (“SAIRs”) in May and November of the Size Segment and Global Value and Growth Indices which include:

- updating the indices on the basis of a fully refreshed equity universe;
- taking buffer rules into consideration for migration of securities across size and style segments; and
- updating FIFs and Number of Shares (“NOS”).

(ii) Quarterly Index Reviews in February and August of the Size Segment Indices aimed at:

- including significant new eligible securities (such as IPOs that were not eligible for earlier inclusion) in the index;
- allowing for significant moves of companies within the Size Segment Indices, using wider buffers than in the SAIR; and
- reflecting the impact of significant market events on FIFs and updating NOS.

(iii) Ongoing Event-Related Changes: changes of this type are generally implemented in the indices as they occur. Significantly large IPOs are included in the indices after the close of the company’s tenth day of trading.

Through this maintenance process, MSCI may make structural changes to the indices by adding or deleting component country indices. Consequently, the composition of the Underlying Indices may change over the term of the notes.

Neither we nor any of our affiliates, including BMOCM, accepts any responsibility for the calculation, maintenance, or publication of, or for any error, omission, or disruption in the Underlying Indices, or any successor to the index. MSCI does not guarantee the accuracy or the completeness of the Underlying Indices, or any data included in the index. MSCI assumes no liability for any errors, omissions, or disruption in the calculation and dissemination of the Underlying Indices. MSCI disclaims all responsibility for any errors or omissions in the calculation and dissemination of the Underlying Indices, or the manner in which the index is applied in determining the amount payable on the notes at maturity.

