

ROYAL BANK OF CANADA  
Form 424B2  
April 29, 2019

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Filed Pursuant to Rule 424(b)(2)  
Registration Statement No. 333-227001  
(To Prospectus dated September 7, 2018,  
Prospectus Supplement dated September 7, 2018 and  
Product Supplement EQUITY INDICES LIRN-1 dated  
September 25, 2018)

1,775,575 Date April 25, 2019  
Issuance Date May 2, 2019  
US Settlement Date April 30, 2021  
\$ Maturity Date  
principal  
amount  
per  
unit  
CUSIP  
No.  
78014F536

Capped Leveraged Index Return  
Notes® Linked to the MSCI  
Emerging Markets Index

Maturity of approximately  
two years

2-to-1 upside exposure to  
increases in the Index, subject to a  
capped return of 20.25%

1-to-1 downside exposure to  
decreases in the Index beyond a  
10.00% decline, with up to  
90.00% of your principal at risk

All payments occur at  
maturity and are subject to the  
credit risk of Royal Bank of  
Canada

No periodic interest payments

In addition to the  
underwriting discount set forth  
below, the notes include a  
hedging-related charge of \$0.075  
per unit. See "Structuring the  
Notes"

Limited secondary market  
liquidity, with no exchange listing

The notes are unsecured debt  
securities and are not savings

accounts or insured deposits of a bank. The notes are not insured or guaranteed by the Canada Deposit Insurance Corporation, the U.S. Federal Deposit Insurance Corporation, or any other governmental agency of Canada or the United States

The notes are being issued by Royal Bank of Canada (“RBC”). There are important differences between the notes and a conventional debt security, including different investment risks and certain additional costs. See “Risk Factors” and “Additional Risk Factors” beginning on page TS-6 of this term sheet and “Risk Factors” beginning on page PS-6 of product supplement EQUITY INDICES LIRN-1.

The initial estimated value of the notes as of the pricing date is \$9.74 per unit, which is less than the public offering price listed below. See “Summary” on the following page, “Risk Factors” beginning on page TS-6 of this term sheet and “Structuring the Notes” on page TS-14 of this term sheet for additional information. The actual value of your notes at any time will reflect many factors and cannot be predicted with accuracy.

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None of the Securities and Exchange Commission (the “SEC”), any state securities commission, or any other regulatory body has approved or disapproved of these securities or determined if this Note Prospectus (as defined below) is truthful or complete. Any representation to the contrary is a criminal offense.

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|                                   | <u>Per Unit</u> | <u>Total</u>    |
|-----------------------------------|-----------------|-----------------|
| Public offering price             | \$ 10.00        | \$17,755,750.00 |
| Underwriting discount             | \$ 0.20         | \$355,115.00    |
| Proceeds, before expenses, to RBC | \$ 9.80         | \$17,400,635.00 |

The notes:

|                      |                         |                |
|----------------------|-------------------------|----------------|
| Are Not FDIC Insured | Are Not Bank Guaranteed | May Lose Value |
|----------------------|-------------------------|----------------|

Merrill Lynch & Co.  
April 25, 2019

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Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

Summary

The Capped Leveraged Index Return Notes® Linked to the MSCI Emerging Markets Index, due April 30, 2021 (the “notes”) are our senior unsecured debt securities. The notes are not guaranteed or insured by the Canada Deposit Insurance Corporation or the U.S. Federal Deposit Insurance Corporation or secured by collateral. The notes will rank equally with all of our other unsecured and unsubordinated debt. Any payments due on the notes, including any repayment of principal, will be subject to the credit risk of RBC. The notes are not bail-inable notes (as defined in the prospectus supplement). The notes provide you a leveraged return, subject to a cap, if the Ending Value of the Market Measure, which is the MSCI Emerging Markets Index (the “Index”), is greater than its Starting Value. If the Ending Value is less than the Threshold Value, you will lose a portion, which could be significant, of the principal amount of your notes. Any payments on the notes, will be calculated based on the \$10 principal amount per unit and will depend on the performance of the Index, subject to our credit risk. See “Terms of the Notes” below.

The economic terms of the notes (including the Capped Value) are based on our internal funding rate, which is the rate we would pay to borrow funds through the issuance of market-linked notes and the economic terms of certain related hedging arrangements. Our internal funding rate is typically lower than the rate we would pay when we issue conventional fixed or floating rate debt securities. This difference in funding rate, as well as the underwriting discount and the hedging related charge described below, reduced the economic terms of the notes to you and the initial estimated value of the notes on the pricing date. Due to these factors, the public offering price you pay to purchase the notes is greater than the initial estimated value of the notes.

On the cover page of this term sheet, we have provided the initial estimated value for the notes. This initial estimated value was determined based on our and our affiliates’ pricing models, which take into consideration our internal funding rate and the market prices for the hedging arrangements related to the notes. For more information about the initial estimated value and the structuring of the notes, see “Structuring the Notes” on page TS-14.

Terms of the Notes

|                            |  |
|----------------------------|--|
| Issuer:                    | Royal Bank of Canada (“RBC”)   |
| Principal Amount:          | \$10.00 per unit   |
| Term:                      | Approximately two years  |
| Market Measure:            | The MSCI Emerging Markets Index (Bloomberg symbol: “MXEF”), a price return index.  |
| Starting Value:            | 1,076.71   |
| Ending Value:              | The average of the closing levels of the Market Measure on each calculation day occurring during the Maturity Valuation Period. The scheduled calculation days are subject to postponement in the event of Market Disruption Events, as described beginning on page PS-18 of product supplement EQUITY INDICES LIRN-1. |
| Threshold Value:           | 969.04 (90% of the Starting Value, rounded to two decimal places).   |
| Participation Rate:        | 200%   |
| Capped Value:              | \$12.025 per unit, which represents a return of 20.25% over the principal amount.  |
| Maturity Valuation Period: | April 20, 2021, April 22, 2021, April 23, 2021, April 26, 2021 and April 27, 2021  |
| Fees and Charges:          | The underwriting discount of \$0.20 per unit listed on the cover page and the hedging related charge of \$0.075 per unit described in “Structuring the Notes” on page TS-14.   |
| Calculation Agent:         | Merrill Lynch, Pierce, Fenner & Smith Incorporated (“MLPF&S”).   |

Redemption Amount Determination

On the maturity date, you will receive a cash payment per unit determined as follows:

Capped Leveraged Index  
Return Notes® TS-2

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Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

The terms and risks of the notes are contained in this term sheet and in the following:

Product supplement EQUITY INDICES LIRN-1 dated September 25, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000114036118039041/form424b5.htm>

Series H MTN prospectus supplement dated September 7, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000121465918005975/f97180424b3.htm>

Prospectus dated September 7, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000121465918005973/196181424b3.htm>

These documents (together, the “Note Prospectus”) have been filed as part of a registration statement with the SEC, which may, without cost, be accessed on the SEC website as indicated above or obtained from MLPF&S by calling 1-800-294-1322. Before you invest, you should read the Note Prospectus, including this term sheet, for information about us and this offering. Any prior or contemporaneous oral statements and any other written materials you may have received are superseded by the Note Prospectus. Capitalized terms used but not defined in this term sheet have the meanings set forth in product supplement EQUITY INDICES LIRN-1. Unless otherwise indicated or unless the context requires otherwise, all references in this document to “we,” “us,” “our,” or similar references are to RBC.

Investor Considerations

You may wish to consider an investment in the notes if:

You anticipate that the Index will increase moderately from the Starting Value to the Ending Value.

You are willing to risk a loss of principal and return if the Index decreases from the Starting Value to an Ending Value that is below the Threshold Value.

You accept that the return on the notes will be capped.

You are willing to forgo the interest payments that are paid on conventional interest bearing debt securities.

You are willing to forgo dividends or other benefits of owning the stocks included in the Index.

You are willing to accept a limited or no market for sales prior to maturity, and understand that the market prices for the notes, if any, will be affected by various factors, including our actual and perceived creditworthiness, our internal funding rate and fees and charges on the notes.

You are willing to assume our credit risk, as issuer of the notes, for all payments under the notes, including the Redemption Amount.

**The notes may not be an appropriate investment for you if:**

You believe that the Index will decrease from the Starting Value to the Ending Value or that it will not increase sufficiently over the term of the notes to provide you with your desired return.

You seek 100% principal repayment or preservation of capital.

You seek an uncapped return on your investment.

You seek interest payments or other current income on your investment.

You want to receive dividends or other distributions paid on the stocks included in the Index.

You seek an investment for which there will be a liquid secondary market.

You are unwilling or are unable to take market risk on the notes or to take our credit risk as issuer of the notes.

We urge you to consult your investment, legal, tax, accounting, and other advisors before you invest in the notes.

## Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

Hypothetical Payout Profile and Examples of Payments at Maturity

## Capped Leveraged Index Return Notes®

This graph reflects the returns on the notes, based on the Participation Rate of 200%, the Threshold Value of 90% of the Starting Value and the Capped Value of \$12.025. The green line reflects the returns on the notes, while the dotted gray line reflects the returns of a direct investment in the stocks included in the Index, excluding dividends.

This graph has been prepared for purposes of illustration only.

The following table and examples are for purposes of illustration only. They are based on hypothetical values and show hypothetical returns on the notes. They illustrate the calculation of the Redemption Amount and total rate of return based on a hypothetical Starting Value of 100, a Threshold Value of 90, the Participation Rate of 200%, the Capped Value of \$12.025 per unit and a range of hypothetical Ending Values. The actual amount you receive and the resulting total rate of return will depend on the actual Starting Value, Threshold Value, Ending Value, and whether you hold the notes to maturity. The following examples do not take into account any tax consequences from investing in the notes.

For recent actual levels of the Market Measure, see “The Index” section below. The Index is a price return index and as such the Ending Value will not include any income generated by dividends paid on the stocks included in the Index, which you would otherwise be entitled to receive if you invested in those stocks directly. In addition, all payments on the notes are subject to issuer credit risk.

| Ending Value          | Percentage Change from the Starting Value to the Ending Value | Redemption Amount per Unit | Total Rate of Return on the Notes |
|-----------------------|---|----------------------------|-----------------------------------|
| 0.00                  | -100.00%  | \$1.000                    | -90.00%                           |
| 50.00                 | -50.00%   | \$6.000                    | -40.00%                           |
| 80.00                 | -20.00%   | \$9.000                    | -10.00%                           |
| 90.00 <sup>(1)</sup>  | -10.00%   | \$10.000                   | 0.00%                             |
| 94.00                 | -6.00%  | \$10.000                   | 0.00%                             |
| 95.00                 | -5.00%  | \$10.000                   | 0.00%                             |
| 97.00                 | -3.00%  | \$10.000                   | 0.00%                             |
| 100.00 <sup>(2)</sup> | 0.00%   | \$10.000                   | 0.00%                             |
| 102.00                | 2.00%   | \$10.400                   | 4.00%                             |
| 104.00                | 4.00%   | \$10.800                   | 8.00%                             |
| 105.00                | 5.00%   | \$11.000                   | 10.00%                            |
| 110.00                | 10.00%  | \$12.000                   | 20.00%                            |
| 120.00                | 20.00%  | \$12.025 <sup>(3)</sup>    | 20.25%                            |
| 130.00                | 30.00%  | \$12.025                   | 20.25%                            |
| 140.00                | 40.00%  | \$12.025                   | 20.25%                            |
| 150.00                | 50.00%  | \$12.025                   | 20.25%                            |
| 160.00                | 60.00%  | \$12.025                   | 20.25%                            |

(1) This is the hypothetical Threshold Value.

(2) The hypothetical Starting Value of 100 used in these examples has been chosen for illustrative purposes only. The actual Starting Value is 1,076.71, which was the closing level of the Market Measure on the pricing date.

(3) The Redemption Amount per unit cannot exceed the Capped Value.

Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

Redemption Amount Calculation Examples

Example 1

The Ending Value is

80.00, or 80.00% of the

Starting Value:

Starting Value: 100.00

Threshold Value: 90.00

Ending Value: 80.00

Redemption Amount per unit

Example 2

The Ending Value is

95.00, or 95.00% of the

Starting Value:

Starting Value: 100.00

Threshold Value: 90.00

Ending Value: 95.00

Redemption Amount (per unit) = \$10.00, the principal amount, since the Ending Value is less than the Starting Value but equal to or greater than the Threshold Value.

Example 3

The Ending Value is

104.00, or 104.00% of

the Starting Value:

Starting Value: 100.00

Ending Value: 104.00

= \$10.80 Redemption Amount per unit

Example 4

The Ending Value is

130.00, or 130.00% of

the Starting Value:

Starting Value: 100.00

Ending Value: 130.00

= \$16.00, however, because the Redemption Amount for the notes cannot exceed the Capped Value, the Redemption Amount will be \$12.025 per unit

Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

Risk Factors

There are important differences between the notes and a conventional debt security. An investment in the notes involves significant risks, including those listed below. You should carefully review the more detailed explanation of risks relating to the notes in the “Risk Factors” sections beginning on page PS-6 of product supplement EQUITY INDICES LIRN-1, page S-1 of the MTN prospectus supplement, and page 1 of the prospectus identified above. We also urge you to consult your investment, legal, tax, accounting, and other advisors before you invest in the notes. Depending on the performance of the Index as measured shortly before the maturity date, your investment may result in a loss; there is no guaranteed return of principal.

Your return on the notes may be less than the yield you could earn by owning a conventional fixed or floating rate debt security of comparable maturity.

Payments on the notes are subject to our credit risk, and actual or perceived changes in our creditworthiness are expected to affect the value of the notes. If we become insolvent or are unable to pay our obligations, you may lose your entire investment.

Your investment return is limited to the return represented by the Capped Value and may be less than a comparable investment directly in the stocks included in the Index.

The initial estimated value of the notes is an estimate only, determined as of a particular point in time by reference to our and our affiliates’ pricing models. These pricing models consider certain assumptions and variables, including our credit spreads, our internal funding rate on the pricing date, mid-market terms on hedging transactions, expectations on interest rates and volatility, price-sensitivity analysis, and the expected term of the notes. These pricing models rely in part on certain forecasts about future events, which may prove to be incorrect.

The public offering price you pay for the notes exceeds the initial estimated value. If you attempt to sell the notes prior to maturity, their market value may be lower than the price you paid for them and lower than the initial estimated value. This is due to, among other things, changes in the level of the Index, our internal funding rate, and the inclusion in the public offering price of the underwriting discount and the hedging related charge, all as further described in “Structuring the Notes” on page TS-14. These factors, together with various credit, market and economic factors over the term of the notes, are expected to reduce the price at which you may be able to sell the notes in any secondary market and will affect the value of the notes in complex and unpredictable ways.

The initial estimated value does not represent a minimum or maximum price at which we, MLPF&S or any of our affiliates would be willing to purchase your notes in any secondary market (if any exists) at any time. The value of your notes at any time after issuance will vary based on many factors that cannot be predicted with accuracy, including the performance of the Index, our creditworthiness and changes in market conditions.

A trading market is not expected to develop for the notes. Neither we nor MLPF&S is obligated to make a market for, or to repurchase, the notes. There is no assurance that any party will be willing to purchase your notes at any price in any secondary market.

Our business, hedging and trading activities, and those of MLPF&S and our respective affiliates (including trades in shares of companies included in the Index), and any hedging and trading activities we, MLPF&S or our respective affiliates engage in for our clients’ accounts, may affect the market value and return of the notes and may create conflicts of interest with you.

The Index sponsor may adjust the Index in a way that affects its level, and has no obligation to consider your interests. You will have no rights of a holder of the securities represented by the Index, and you will not be entitled to receive securities or dividends or other distributions by the issuers of those securities.

Your return on the notes and the value of the notes may be affected by exchange rate movements and factors affecting the international securities markets, specifically changes in the countries represented by the Index.

While we, MLPF&S or our respective affiliates may from time to time own securities of companies included in the Index, we, MLPF&S and our respective affiliates do not control any company included in the Index, and have not verified any disclosure made by any other company.

There may be potential conflicts of interest involving the calculation agent, which is MLPF&S. We have the right to appoint and remove the calculation agent.



The U.S. federal income tax consequences of the notes are uncertain, and may be adverse to a holder of the notes. See “Summary of U.S. Federal Income Tax Consequences” below and “U.S. Federal Income Tax Summary” beginning on page PS-30 of product supplement EQUITY INDICES LIRN-1. For a discussion of the Canadian federal income tax consequences of investing in the notes, see “Tax Consequences—Canadian Taxation” in the prospectus dated September 7, 2018.

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Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

Additional Risk Factors

There are risks associated with emerging markets.

An investment in the notes will involve risks not generally associated with investments which have no emerging market component. In particular, many emerging nations are undergoing rapid change, involving the restructuring of economic, political, financial and legal systems. Regulatory and tax environments may be subject to change without review or appeal. Many emerging markets suffer from underdevelopment of capital markets and tax regulation. The risk of expropriation and nationalization remains a threat. Guarding against such risks is made more difficult by low levels of corporate disclosure and unreliability of economic and financial data.

Other Terms of the Notes

Market Measure Business Day

The following definition shall supersede and replace the definition of a “Market Measure Business Day” set forth in product supplement EQUITY INDICES LIRN-1:

A “Market Measure Business Day” means a day on which:

(A) each of the London Stock Exchange, the Hong Kong Stock Exchange, the São Paulo Stock Exchange, and the Korea Stock Exchange (or any successor to the foregoing exchanges) are open for trading; and

(B) the Index or any successor thereto is calculated and published.

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Capped Leveraged Index Return Notes®

Linked to the MSCI Emerging Markets Index, due April 30, 2021

The Index

All disclosures contained in this term sheet regarding the Index, including, without limitation, its make up, method of calculation, and changes in its components, have been derived from publicly available sources. The information reflects the policies of, and is subject to change by, MSCI. MSCI, which owns the copyright and all other rights to the Index, has no obligation to continue to publish, and may discontinue publication of, the Index. The consequences of the Index sponsor discontinuing publication of the Index are discussed in the section entitled “Description of LIRNs—Discontinuance of an Index” beginning on page PS-19 of product supplement EQUITY INDICES LIRN-1.” None of us, the calculation agent, or MLPF&S accepts any responsibility for the calculation, maintenance or publication of the Index or any successor index.

The MSCI Emerging Markets Index

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

As of the close on May 31, 2018, MSCI began a multi-step process to include, in the MSCI Emerging Markets Index, large cap China A shares that are not in trading suspension. As part of the first step of the inclusion process, which resulted from the May 2018 quarterly index review, MSCI added such large cap China A shares to the MSCI Emerging Markets Index at 2.5% of their foreign inclusion factor-adjusted market capitalization. In connection with the August 2018 quarterly index review, MSCI implemented the second step of the inclusion process by increasing the foreign inclusion factor-adjusted market capitalization of those existing China A share constituents from 2.5% to 5%. With the implementation of this second step, and the inclusion of additional China A shares in connection with the August 2018 quarterly index review, China A shares were initially expected to represent approximately 0.75% of the MSCI Emerging Markets Index. In February 2019, MSCI announced a three-step process between May 2019 and November 2019 that would increase the number of Chinese A Shares in the Index.

MSCI has announced that, beginning in June 2019, it expects to include the MSCI Saudi Arabia Index in the MSCI Emerging Markets Index, representing on a pro forma basis a weight of approximately 2.6% of the MSCI Emerging Markets Index with 32 securities, following a two-step inclusion process. The first inclusion step is expected to coincide with the May 2019 semi-annual review and the second inclusion step is expected to take place as part of the August 2019 quarterly index review. In addition, MSCI has announced the reclassification of the MSCI Argentina Index from a “frontier market” to an “emerging market”, and the MSCI Argentina Index is expected to be included in the MSCI Emerging Markets Index coinciding with the May 2019 semi-annual index review. MSCI expects to continue to restrict the inclusion in the MSCI Argentina Index to only foreign listings of Argentinian companies, such as American depositary receipts.

The 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.

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, including Real Estate Investment Trusts and certain income trusts in Canada, are eligible for inclusion in the equity universe. Conversely, mutual funds, ETFs, equity derivatives, and most investment trusts, are not eligible for inclusion, are eligible for inclusion in the equity universe. Conversely, mutual funds, ETFs, equity derivatives, and most investment trusts, are not.

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

Effective with the November 2015 semi-annual index review, companies traded outside of their country of classification (i.e., “foreign listed companies”) will become eligible for inclusion in the MSCI Country Investable Market Indexes along with the applicable MSCI Global Index. In order for a MSCI Country Investable Market Index to be eligible to include foreign listed companies, it must meet the Foreign Listing Materiality Requirement. To meet the Foreign Listing Materiality Requirement, the aggregate market capitalization of all securities represented by foreign listings should represent at least (i) 5% of the free float-adjusted market capitalization of the relevant MSCI Country Investable Market Index and (ii) 0.05% of the free-float adjusted market capitalization of the MSCI ACWI Investable Market Index.

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Determining the Market Investable Equity Universes. A market investable equity universe for a market is derived by identifying eligible listings for each security in the equity universe, and by applying 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. A security may be listed in the country where it is classified (i.e. local listing) and/or in a different country (i.e. “foreign listing”). Securities may be represented by either a local or foreign listing. A security may be represented by a foreign listing only if:

The security is classified in a country that meets the Foreign Listing Materiality Requirement, and

The security’s foreign listing is traded on an eligible stock exchange of: a DM country if the security is classified in a DM country, a DM or an EM country if the security is classified in an EM country, or a DM or an EM or a FM country if the security is classified in a FM country. Securities in that country may not be represented by a foreign listing in the global investable equity universe if a country does not meet the requirement.

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. The size requirement also applies to companies in all developed and emerging markets.

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. 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 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.

Minimum Foreign Room Requirement: this investability screen is applied at the individual security level. For a security that is subject to a foreign ownership limit to be eligible for inclusion in a market investable equity universe, the proportion of shares still available to foreign investors relative to the maximum allowed (referred to as “foreign room”) must be at least 15%.

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.

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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 S&P Dow Jones Indexes, 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.

### Calculation Methodology for the Index

The performance of the Index is a free float weighted average of the U.S. dollar values of its component securities. Prices used to calculate the component securities are the official exchange closing prices or prices accepted as such in the relevant market. In the case of a market closure, or if a security does not trade on a specific day or during a specific period, MSCI carries forward the previous day's price (or latest available closing price). In the event of a market outage resulting in any component security price to be unavailable, MSCI will generally use the last reported price for such component security for the purpose of performance calculation unless MSCI determines that another price is more appropriate based on the circumstances. Closing prices are converted into U.S. dollars, as applicable, using the closing exchange rates calculated by WM/Reuters at 4:00 P.M. London Time.

### 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, 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 ("QIRs") 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.

None of us, MLPF&S or any of our respective affiliates accepts any responsibility for the calculation, maintenance, or publication of, or for any error, omission, or disruption in, the Index any successor to the Index.

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The following graph shows the daily historical performance of the Index in the period from January 1, 2008 through April 25, 2019. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the Index was 1,076.71.

Historical Performance of the Index

This historical data on the Index is not necessarily indicative of the future performance of the Index or what the value of the notes may be. Any historical upward or downward trend in the level of the Index during any period set forth above is not an indication that the level of the Index is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the Index.

License Agreement

We have entered into a non-exclusive license agreement with MSCI providing for the license to us and certain of our affiliates, in exchange for a fee, of the right to use the Index in connection with securities, including the notes. The Index is owned and published by MSCI.

The license agreement between MSCI 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 MSCI INC. ("MSCI"), ANY AFFILIATE OF MSCI OR ANY OTHER PARTY INVOLVED IN, OR RELATED TO, MAKING OR COMPILING ANY MSCI INDEX. THE MSCI INDEXES ARE THE EXCLUSIVE PROPERTY OF MSCI. MSCI AND THE MSCI INDEX NAMES ARE SERVICE MARK(S) OF MSCI OR ITS AFFILIATES AND HAVE BEEN LICENSED FOR USE FOR CERTAIN PURPOSES BY ROYAL BANK OF CANADA AND ITS AFFILIATES. NEITHER MSCI, ANY OF ITS AFFILIATES NOR ANY OTHER PARTY INVOLVED IN, OR RELATED TO, MAKING OR COMPILING ANY MSCI INDEX MAKES ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, TO THE OWNERS OF THE NOTES OR ANY MEMBER OF THE PUBLIC REGARDING THE ADVISABILITY OF INVESTING IN FINANCIAL SECURITIES GENERALLY OR IN THE NOTES PARTICULARLY OR THE ABILITY OF ANY MSCI INDEX TO TRACK CORRESPONDING STOCK MARKET PERFORMANCE. MSCI OR ITS AFFILIATES ARE THE LICENSORS OF CERTAIN TRADEMARKS, SERVICE MARKS AND TRADE NAMES AND OF THE MSCI INDEXES WHICH ARE DETERMINED, COMPOSED AND CALCULATED BY MSCI WITHOUT REGARD TO THE NOTES OR THE ISSUER OR OWNER OF THE NOTES. NEITHER MSCI, ANY OF ITS AFFILIATES NOR ANY OTHER PARTY INVOLVED IN, OR RELATED TO, MAKING OR COMPILING ANY MSCI INDEX HAS ANY



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Supplement to the Plan of Distribution

Under our distribution agreement with MLPF&S, MLPF&S will purchase the notes from us as principal at the public offering price indicated on the cover of this term sheet, less the indicated underwriting discount.

We will deliver the notes against payment therefor in New York, New York 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 original issue date will be required to specify alternative settlement arrangements to prevent a failed settlement.

The notes will not be listed on any securities exchange. In the original offering of the notes, the notes will be sold in minimum investment amounts of 100 units. If you place an order to purchase the notes, you are consenting to MLPF&S acting as a principal in effecting the transaction for your account.

MLPF&S may repurchase and resell the notes, with repurchases and resales being made at prices related to then-prevailing market prices or at negotiated prices, and these prices will include MLPF&S's trading commissions and mark-ups. MLPF&S may act as principal or agent in these market-making transactions; however, it is not obligated to engage in any such transactions. At MLPF&S's discretion, for a short, undetermined initial period after the issuance of the notes, MLPF&S may offer to buy the notes in the secondary market at a price that may exceed the initial estimated value of the notes. Any price offered by MLPF&S for the notes will be based on then-prevailing market conditions and other considerations, including the performance of the Index and the remaining term of the notes. However, neither we nor any of our affiliates is obligated to purchase your notes at any price or at any time, and we cannot assure you that we, MLPF&S or any of our respective affiliates will purchase your notes at a price that equals or exceeds the initial estimated value of the notes.

The value of the notes shown on your account statement will be based on MLPF&S's estimate of the value of the notes if MLPF&S or another of its affiliates were to make a market in the notes, which it is not obligated to do. That estimate will be based upon the price that MLPF&S may pay for the notes in light of then-prevailing market conditions and other considerations, as mentioned above, and will include transaction costs. At certain times, this price may be higher than or lower than the initial estimated value of the notes.

The distribution of the Note Prospectus in connection with these offers or sales will be solely for the purpose of providing investors with the description of the terms of the notes that was made available to investors in connection with their initial offering. Secondary market investors should not, and will not be authorized to, rely on the Note Prospectus for information regarding RBC or for any purpose other than that described in the immediately preceding sentence.

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Structuring the Notes

The notes are our debt securities, the return on which is linked to the performance of the Index. As is the case for all of our debt securities, including our market-linked notes, the economic terms of the notes reflect our actual or perceived creditworthiness at the time of pricing. In addition, because market-linked notes result in increased operational, funding and liability management costs to us, we typically borrow the funds under these notes at a rate that is more favorable to us than the rate which we refer to as our internal funding rate, which is the rate that we might pay for a conventional fixed or floating rate debt security. This generally relatively lower internal funding rate, which is reflected in the economic terms of the notes, along with the fees and charges associated with market-linked notes, resulted in the initial estimated value of the notes on the pricing date being less than their public offering price. At maturity, we are required to pay the Redemption Amount to holders of the notes, which will be calculated based on the \$10 per unit principal amount and will depend on the performance of the Index. In order to meet these payment obligations, at the time we issue the notes, we may choose to enter into certain hedging arrangements (which may include call options, put options or other derivatives) with MLPF&S or one of its affiliates. The terms of these hedging arrangements are determined by seeking bids from market participants, including MLPF&S and its affiliates, and take into account a number of factors, including our creditworthiness, interest rate movements, the volatility of the Index, the tenor of the notes and the tenor of the hedging arrangements. The economic terms of the notes and their initial estimated value depend in part on the terms of these hedging arrangements.

MLPF&S has advised us that the hedging arrangements will include a hedging related charge of approximately \$0.075 per unit, reflecting an estimated profit to be credited to MLPF&S from these transactions. Since hedging entails risk and may be influenced by unpredictable market forces, additional profits and losses from these hedging arrangements may be realized by MLPF&S or any third party hedge providers.

For further information, see “Risk Factors—General Risks Relating to LIRNs” beginning on page PS-6 and “Use of Proceeds and Hedging” on page PS-15 of product supplement EQUITY INDICES LIRN-1.

MLPF&S Reorganization

The current business of MLPF&S is being reorganized into two affiliated broker-dealers: MLPF&S and a new broker-dealer, BofA Securities, Inc. (“BofAS”). MLPF&S will be assigning its rights and obligations as selling agent for the notes under our distribution agreement to BofAS effective on the “Transfer Date.” Effective on the Transfer Date, BofAS will be the new legal entity for the institutional services that are now provided by MLPF&S. As such, beginning on the Transfer Date, the institutional services currently being provided by MLPF&S, including acting as selling agent for the notes, acting as calculation agent for the notes, acting as principal or agent in secondary market-making transactions for the notes and entering into hedging arrangements with respect to the notes, are expected to be provided by BofAS. Accordingly, references to MLPF&S in this term sheet as such references relate to MLPF&S’s institutional services, such as those described above, should be read as references to BofAS to the extent these services are to be performed on or after the Transfer Date.

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Summary of Canadian Federal Income Tax Consequences

For a discussion of the material Canadian federal income tax consequences relating to an investment in the notes, please see the section entitled “Tax Consequences—Canadian Taxation” in the prospectus dated September 7, 2018.

Summary of U.S. Federal Income Tax Consequences

You should consider the U.S. federal income tax consequences of an investment in the notes, including the following:

There is no statutory, judicial, or administrative authority directly addressing the characterization of the notes.

You agree with us (in the absence of a statutory, regulatory, administrative, or judicial ruling to the contrary) to characterize and treat the notes for all tax purposes as pre-paid derivative contracts in respect of the Index.

Under this characterization and tax treatment of the notes, a U.S. holder (as defined on page 41 of the prospectus) generally will recognize capital gain or loss upon the sale or maturity of the notes. This capital gain or loss generally will be long-term capital gain or loss if you held the notes for more than one year.

No assurance can be given that the Internal Revenue Service or any court will agree with this characterization and tax treatment.

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.

The accompanying product supplement notes that FATCA withholding on payments of gross proceeds from a sale or redemption of the 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 these 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.

You should consult your own tax advisor concerning the U.S. federal income tax consequences to you of acquiring, owning, and disposing of the notes, as well as any tax consequences arising under the laws of any state, local, foreign, or other tax jurisdiction and the possible effects of changes in U.S. federal or other tax laws. You should review carefully the discussion under the section entitled “U.S. Federal Income Tax Summary” beginning on page PS-30 of product supplement EQUITY INDICES LIRN-1.

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Validity of the Notes

In the opinion of Norton Rose Fulbright Canada LLP, the issue and sale of the notes has been duly authorized by all necessary corporate action of RBC in conformity with the Indenture, and when the notes have been duly executed, authenticated and issued in accordance with the Indenture and delivered against payment therefor, the notes will be validly issued and, to the extent validity of the notes is a matter governed by the laws of the Province of Ontario or Québec, or the laws of Canada applicable therein, and will be valid obligations of RBC, subject to equitable remedies which may only be granted at the discretion of a court of competent authority, subject to applicable bankruptcy, to rights to indemnity and contribution under the notes or the Indenture which may be limited by applicable law, to insolvency and other laws of general application affecting creditors' rights, to limitations under applicable limitations statutes and subject to limitations as to the currency in which judgments in Canada may be rendered, as prescribed by the Currency Act (Canada). This opinion is given as of the date hereof and is limited to the laws of the Provinces of Ontario and Québec and the federal laws of Canada applicable thereto. In addition, this opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Indenture and the genuineness of signatures and certain factual matters, all as stated in the letter of such counsel dated September 7, 2018, which has been filed as Exhibit 5.1 to RBC's Form 6-K filed with the SEC dated September 7, 2018.

In the opinion of Morrison & Foerster LLP, when the notes have been duly completed in accordance with the Indenture and issued and sold as contemplated by the prospectus supplement and the prospectus, the notes will be valid, binding and enforceable obligations of RBC, entitled to the benefits of the Indenture, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability (including, without limitation, concepts of good faith, fair dealing and the lack of bad faith). This opinion is given as of the date hereof and is limited to the laws of the State of New York. This opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Indenture and the genuineness of signatures and to such counsel's reliance on RBC and other sources as to certain factual matters, all as stated in the legal opinion dated September 7, 2018, which has been filed as Exhibit 5.2 to the Bank's Form 6-K dated September 7, 2018.

Terms Incorporated in Master Global Security

The terms appearing under the captions "Summary—Terms of the Notes" and "Summary—Redemption Amount Determination" on page TS-2 above, the pricing date, settlement date and maturity date appearing on the cover page, and the applicable terms included in the documents listed under "Summary" on page TS-2 are incorporated into the master global security that represents the notes and is held by The Depository Trust Company.

Where You Can Find More Information

We have filed a registration statement (including a product supplement, a prospectus supplement, and a prospectus) with the SEC for the offering to which this term sheet relates. Before you invest, you should read the Note Prospectus, including this term sheet, and the other documents that we have filed with the SEC, for more complete information about us and this offering. You may get these documents without cost by visiting EDGAR on the SEC website at [www.sec.gov](http://www.sec.gov). Alternatively, we, any agent, or any dealer participating in this offering will arrange to send you these documents if you so request by calling MLPF&S toll-free at 1-800-294-1322.

Market-Linked Investments Classification

MLPF&S classifies certain market-linked investments (the "Market-Linked Investments") into categories, each with different investment characteristics. The following description is meant solely for informational purposes and is not intended to represent any particular Enhanced Return Market-Linked Investment or guarantee any performance. Enhanced Return Market-Linked Investments are short- to medium-term investments that offer you a way to enhance exposure to a particular market view without taking on a similarly enhanced level of market downside risk. They can be especially effective in a flat to moderately positive market (or, in the case of bearish investments, a flat to moderately negative market). In exchange for the potential to receive better-than market returns on the linked asset, you must generally accept market downside risk and capped upside potential. As these investments are not market downside protected, and do not assure full repayment of principal at maturity, you need to be prepared for the possibility that you may lose all or part of your investment.

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