HARMONY GOLD MINING CO LTD Form 6-K May 02, 2003

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the Month of May 2003

Harmony Gold Mining Company Limited

Suite No. 1 Private Bag X1 Melrose Arch, 2076 South Africa

(Address of principal executive offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F **X** Form 40-F

(Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes ____ No <u>X</u>

This Report on Form 6-K is incorporated by reference into the registration statement on Form F-3 (file no. 333-13516) for Harmony Gold Mining Company Limited, filed on December 23, 2002, and into the prospectus that forms a part of that registration statement.

JOINT NEWS RELEASE by Harmony Gold Mining Co. Ltd. and African Rainbow Minerals Gold Ltd.

ARMgold AND HARMONY MERGE TO CREATE

SOUTH AFRICA S LARGEST GOLD PRODUCER

Johannesburg, 2 May 2003 Harmony Gold Mining Company Limited (NYSE: HMY JSE: HAR) and ARMgold (JSE: AOD) today announced details on a proposed merger of the two companies and the joint acquisition of a 34,5% stake in Anglovaal Mining Limited (Avmin) (JSE: AIN).

The merger between the two companies, will create the fifth largest gold producer in the world, producing approximately 4,1 million ounces per annum. It is intended that the merger will be effected by the issue of two Harmony shares for every three ARMgold shares held. In addition, ARMgold will pay a special dividend of 500 cents per ordinary share prior to implementation of the merger. The merged company will be known as Harmony with conspicuous and distinctive emphasis on the letters ARM to reflect ARMgold s identity in the merged company

This merger will create the largest local producer of gold ounces in South Africa. Harmony will be recognised as a role model in the industry and the country and will be truly representative of the new South Africa. Merging the two companies seemed like the logical next step in both the companies growth strategies. We share one of the industry s best gold assets in Free Gold and from a cultural, operational and strategic perspective, the fit seems natural, commented Patrice Motsepe. Mr Motsepe will become the new Non-Executive Chairman of Harmony and will play an active and extensive role in advancing the long-term interests of the company.

Mr Adam Fleming, retiring Non-Executive Chairman of Harmony commented: After four exciting years of being part of the Harmony Team, it is an honour to hand over the reigns to Patrice, who I m sure will chair the company during its next phase of development. I am and intend to remain a significant shareholder of Harmony.

Issued by Harmony Gold Mining Company Limited (Harmony) and African Rainbow Minerals Gold Limited (ARMgold) For release on Friday 2 May 2003

For more details contact:

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Harmony

Investor Relations Officer Corné Bobbert Tel +27 11 684 0146 Fax +27 11 684 0188 Mobile +27(0)83 380 6614 cbobbert@harmony.co.za

www.harmony.co.za

JSE: HAR NYSE: HMY

ISIN No.: ZAE000015228

JSE: HARW NYSE: HMYWS ISIN No.: ZAE000031209

ARMgold

Investor Relations Officer Mangisi Gule Tel +27 11 883 5606 Fax +27 11 883 5609

Mobile +27(0)82 805 3863 mangisi.gule@armgold.com

www.armgold.com

JSE: AOD

ISIN No.: AE000039244

As an investment alternative, Harmony will now offer a unique opportunity, being the largest, unhedged South African gold producer, exposed to both the US Dollar gold price and the volatility of the SA Rand. The new company will have the benefit of more than 45% shareholding in North America with enhanced liquidity on the NYSE. The company is now, more than ever, well positioned to continue with its strategy of growth and delivery of shareholder value, commented Bernard Swanepoel, Harmony Chief Executive.

The new company will have operating mines in all the major gold producing regions in South Africa. It is anticipated that most of the synergies, will in the short term, be realised in the Free State, as the region will now be consolidated as one operating unit. Optimal use of infrastructure and exploitation of the orebodies will deliver enhanced returns for the shareholders.

The only other operations of note in the Free State are Beatrix mine, operated by Gold Fields Limited and Target mine, operated by Avgold, which has 2,6 million ounces in the reserve category. The two companies have now acquired a stake in Avgold through the Avmin transaction referred to below. The new Harmony will be well positioned to continue with its strategy of growth, both locally and internationally.

The two companies today also announced that they had jointly acquired Anglo American Plc s 34,5% stake in Avmin for a cash consideration of R43,50 per share. Harmony and ARMgold will participate on a 50/50 joint venture basis in a transaction which is valued at R1,766 billion (a premium of 9% on the 90 day moving average price). Avgold recently placed 90 million shares to retire offshore debt, decreasing its stake in Avgold to 42%.

Avmin, which has a market capitalisation of R3,4 billion, holds shares in the following companies;

- Chambisi 9	0,0%
	.0,0 /0
- Assmang 5	50,3%
- Nkomati Mine 7	5,0%
- Two Rivers Project 4	1,3%

The acquisition of the stake in Avmin creates an opportunity for Harmony and ARMgold to participate in unlocking value within that company.

A press conference has been scheduled for the morning of Monday May 5th, 2003.

ENDS

Disclaimer

This presentation includes certain information that is based on management s reasonable expectations and assumptions. These forward-looking statements include, but are not limited to, statements regarding estimates, intentions and beliefs, as well as anticipated future production, mine life, market conditions and costs. While management has prepared this information using the best of their experience and judgment, and in all good faith, there are risks and uncertainties involved which could cause results to differ from projections.

Cautionary Note to US Investors The United States Securities and Exchange Commission (the SEC) permits mining companies, in their filings with the SEC, to disclose only those mineral deposits that a company can economically ad legally extract or produce. We use certain terms in this quarterly review, such as resources, that the SEC guidelines strictly prohibit us from including in our filings with the SEC. U.S. Investors are urged to consider closely the disclosure in our public filings with the SEC available from us at Harmony Gold Mining Company Limited, P.O. Box 2, Randfontein, 1760, South Africa, Attention: Mr. Ferdi Dippenaar. You can also obtain these filings from the SEC by calling 1-800-SEC-0330.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dated: May 2, 2003

Harmony Gold Mining Company Limited

By: /s/ Frank Abbott

Name: Frank Abbott Title: Chief Financial Officer

/td>

July 16, 2021

Observation Dates:

Quarterly, as set forth below.

Coupon Payment Dates:

Ouarterly, as set forth below

Valuation Date:

July 13, 2021

Contingent Coupon Rate:

8.35% per annum

Contingent Coupon:

If the closing price of each Reference Stock is greater than or equal to its Coupon Barrier on the applicable Observation Date, we will pay the Contingent Coupon applicable to the corresponding Observation Date. You may not receive any Contingent Coupons during the term of the Notes.

Payment at Maturity (if held

to maturity):

If the Notes are not previously called, we will pay you at maturity an amount based on the Final Stock Price of the Lesser Performing Reference Stock:

For each \$1,000 in principal amount, \$1,000 plus the Contingent Coupon at maturity, unless the Final Stock Price of the Lesser Performing Reference Stock is less than its Trigger Price.

If the Final Stock Price of the Lesser Performing Reference Stock is less than its Trigger Price, then the investor will receive at maturity, for each \$1,000 in principal amount, a cash payment equal to:

\$1,000 + (\$1,000 x Reference Stock Return of the Lesser Performing Reference Stock)

Investors could lose some or all of their principal amount if the Final Stock Price of the Lesser Performing Reference Stock is below its Trigger Price.

Lesser Performing

Reference Stock:

The Reference Stock with the lowest Reference Stock Return.

Call Feature:

If the closing price of each Reference Stock is greater than or equal to its Initial Stock Price starting on January 14, 2019 and on any Observation Date thereafter, the Notes will be automatically called for 100% of their principal amount, plus the Contingent Coupon applicable to the corresponding Observation Date.

Call Settlement Dates:

The Coupon Payment Date corresponding to that Observation Date.

Final Stock Price:

For each Reference Stock, its closing price on the Valuation Date.

CUSIP:

78013XPF9

Per Note Total Price to public⁽¹⁾ 100.00% \$714,000.00 Underwriting discounts and commissions⁽¹⁾ 2.25% \$16,065.00 Proceeds to Royal Bank of Canada 97.75% \$697,935.00

⁽¹⁾Certain dealers who purchased the Notes for sale to certain fee-based advisory accounts may have foregone some or all of their underwriting discount or selling concessions. The public offering price for investors purchasing the Notes in these accounts was between \$977.50 and \$1,000 per \$1,000 in principal amount.

The initial estimated value of the Notes as of the date of this pricing supplement is \$940.70 per \$1,000 in principal amount, which is less than the price to public. The actual value of the Notes at any time will reflect many factors, cannot be predicted with accuracy, and may be less than this amount. We describe our determination of the initial estimated value in more detail below.

RBC Capital Markets, LLC, which we refer to as RBCCM, acting as agent for Royal Bank of Canada, received a commission of \$22.50 per \$1,000 in principal amount of the Notes and used a portion of that commission to allow selling concessions to other dealers of up to \$22.50 per \$1,000 in principal amount of the Notes. The other dealers may forgo, in their sole discretion, some or all of their selling concessions. See "Supplemental Plan of Distribution (Conflicts of Interest)" below.

RBC Capital Markets, LLC

Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

SUMMARY

Record Dates:

The information in this "Summary" section is qualified by the more detailed information set forth in this pricing supplement, the product prospectus supplement, the prospectus supplement, and the prospectus.

This pricing supplement relates to an offering of Auto-Callable Contingent Coupon Barrier

General: Notes (the "Notes") linked to the lesser performing of three equity securities (the "Reference

Stocks").

Issue: Royal Bank of Canada ("Royal Bank")
Issue: Senior Global Medium-Term Notes, Series G

Trade Date: July 13, 2018 Issue Date: July 18, 2018

Term: Approximately three (3) years

Denominations: Minimum denomination of \$1,000, and integral multiples of \$1,000 thereafter.

Designated Currency: U.S. Dollars

We will pay you a Contingent Coupon during the term of the Notes, periodically in arrears

on each Coupon Payment Date, under the conditions described below:

• If the closing price of each Reference Stock is greater than or equal to its Coupon Barrier on the applicable Observation Date, we will pay the Contingent Coupon applicable

to that Observation Date.

Contingent Coupon:

. If the closing price of any of the Reference Stocks is less than its Coupon Barrier on

the applicable Observation Date, we will not pay you the Contingent Coupon applicable to

that Observation Date.

You may not receive a Contingent Coupon for one or more quarterly periods during the

term of the Notes.

Contingent Coupon Rate: 8.35% per annum (2.0875% per quarter)

Quarterly on October 15, 2018, January 14, 2019, April 15, 2019, July 15, 2019, October

Observation Dates: 14, 2019, January 13, 2020, April 13, 2020, July 13, 2020, October 13, 2020, January 13,

2021, April 13, 2021 and the Valuation Date.

The Contingent Coupon, if applicable, will be paid quarterly on October 18, 2018, January

17, 2019, April 18, 2019, July 18, 2019, October 17, 2019, January 16, 2020, April 16,

Coupon Payment Dates: 17, 2019, April 16, 2019, July 16, 2020, July 16, 2020, July 16, 2020, July 16, 2020, Junuary 19, 2021, April 16, 2021 and the Maturity

Date.

The record date for each Coupon Payment Date will be the date one business day prior to

that scheduled Coupon Payment Date; provided, however, that any Contingent Coupon

payable at maturity or upon a call will be payable to the person to whom the payment at

maturity or upon the call, as the case may be, will be payable.

If, starting on January 14, 2019 and on any Observation Date thereafter, the closing price of

Call Feature: each Reference Stock is greater than or equal to its Initial Stock Price, then the Notes will

be automatically called.

If the Notes are automatically called, then, on the applicable Call Settlement Date, for each

Payment if Called: \$1,000 principal amount, you will receive \$1,000 plus the Contingent Coupon otherwise

due on that Call Settlement Date.

If the Notes are called on any Observation Date starting on January 14, 2019 or thereafter,

Call Settlement Dates: the Call Settlement Date will be the Coupon Payment Date corresponding to that

Observation Date.

Valuation Date: July 13, 2021 Maturity Date: July 16, 2021

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three **Equity Securities** Royal Bank of Canada

Initial Stock For each Reference Stock, its closing price on the Trade Date, as specified on the cover page of this

Price: pricing supplement.

Final Stock

For each Reference Stock, its closing price on the Valuation Date.

Price:

Trigger Price

and For each Reference Stock, 65.00% of its Initial Stock Price, as specified on the cover page of this pricing

Coupon supplement.

Barrier:

If the Notes are not previously called, we will pay you at maturity an amount based on the Final Stock Price of the Lesser Performing Reference Stock:

Payment at Maturity (if not

previously

If the Final Stock Price of the Lesser Performing Reference Stock is greater than or equal to its Trigger Price, we will pay you a cash payment equal to the principal amount plus the Contingent Coupon otherwise due on the Maturity Date.

If the Final Stock Price of the Lesser Performing Reference Stock is below its Trigger Price, you will receive at maturity, for each \$1,000 in principal amount, a cash payment equal to:

called and \$1,000 + (\$1,000 x Reference Stock Return of the Lesser Performing Reference Stock) held to

The amount of cash that you receive will be less than your principal amount, if anything, resulting in a maturity): loss that is proportionate to the decline of the Lesser Performing Reference Stock from the Trade Date to

the Valuation Date. Investors in the Notes will lose some or all of their principal amount if the Final

Stock Price of the Lesser Performing Reference Stock is less than its Trigger Price.

Stock

Not applicable. Payments on the Notes will be made solely in cash. Settlement:

Reference With respect to each Reference Stock: Stock Final Stock Price – Initial Stock Price

Initial Stock Price Return:

Lesser

Performing The Reference Stock with the lowest Reference Stock Return.

Reference

Stock:

Market Disruption

The occurrence of a market disruption event (or a non-trading day) as to any of the Reference Stocks will result in the postponement of an Observation Date or the Valuation Date as to that Reference Stock, as described in the product prospectus supplement, but not to any non-affected Reference Stock.

Calculation Agent:

U.S. Tax

Events:

RBC Capital Markets, LLC ("RBCCM")

By purchasing a Note, each holder agrees (in the absence of a change in law, an administrative determination or a judicial ruling to the contrary) to treat the Notes as a callable pre-paid cash-settled

contingent income-bearing derivative contract linked to the Reference Stocks 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

Treatment: is different from that described in the preceding sentence. Please see the section below, "Supplemental Discussion of U.S. Federal Income Tax Consequences," and the discussion (including the opinion of our counsel Morrison & Foerster LLP) in the product prospectus supplement dated January 8, 2016 under "Supplemental Discussion of U.S. Federal Income Tax Consequences," which apply to the Notes.

Secondary RBCCM (or one of its affiliates), though not obligated to do so, may maintain a secondary market in the Market: Notes after the Issue Date. The amount that you may receive upon sale of your Notes prior to maturity

may be less than the principal amount.

Listing: The Notes will not be listed on any securities exchange.

DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg as

Settlement: described under "Description of Debt Securities—Ownership and Book-Entry Issuance" in the prospectus

dated January 8, 2016).

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

Terms
Incorporated
in
the Master
Note:

All of the terms appearing above the item captioned "Secondary Market" on the cover page and pages P-2 and P-3 of this pricing supplement and the terms appearing under the caption "General Terms of the Notes" in the product prospectus supplement dated January 8, 2016, as modified by this pricing supplement. In addition to those terms, the following two sentences are also so incorporated into the master note: RBC confirms that it fully understands and is able to calculate the effective annual rate of interest applicable to the Notes based on the methodology for calculating per annum rates provided for in the Notes. RBC irrevocably agrees not to plead or assert Section 4 of the Interest Act (Canada), whether by way of defense or otherwise, in any proceeding relating to the Notes.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

ADDITIONAL TERMS OF YOUR NOTES

prospectus supplement dated January 8, 2016 and the product prospectus supplement dated January 8, 2016, relating to our Senior Global Medium-Term Notes, Series G, of which these Notes are a part. Capitalized terms used but not defined in this pricing supplement will have the meanings given to them in the product prospectus supplement. In the event of any conflict, this pricing supplement will control. The Notes vary from the terms described in the product prospectus supplement in several important ways. You should read this pricing supplement carefully.

This pricing supplement, together with the documents listed below, contains the terms of the Notes and supersedes all prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, brochures or other educational materials of ours. You should carefully consider, among other things, the matters set forth in "Risk Factors" in the prospectus supplement dated January 8, 2016, as the Notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the Notes. You may access these documents on the Securities and Exchange Commission (the "SEC") website at www.sec.gov as follows (or if that address has changed,

You should read this pricing supplement together with the prospectus dated January 8, 2016, as supplemented by the

Prospectus dated January 8, 2016:

http://www.sec.gov/Archives/edgar/data/1000275/000121465916008810/j18160424b3.htm

Prospectus Supplement dated January 8, 2016:

http://www.sec.gov/Archives/edgar/data/1000275/000121465916008811/p14150424b3.htm

Product Prospectus Supplement dated January 8, 2016:

by reviewing our filings for the relevant date on the SEC website):

https://www.sec.gov/Archives/edgar/data/1000275/000114036116047446/form424b5.htm

Our Central Index Key, or CIK, on the SEC website is 1000275. As used in this pricing supplement, "we," "us," or "our" refers to Royal Bank of Canada.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

HYPOTHETICAL EXAMPLES

The table set out below is included for illustration purposes only. The table illustrates the Payment at Maturity of the Notes (including the final Contingent Coupon, if payable) for a hypothetical range of performance for the Lesser Performing Reference Stock, assuming the following terms and that the Notes are not automatically called prior to maturity:

Hypothetical Initial Stock Price: \$100.00*

Hypothetical Trigger Price and Coupon Barrier: \$65.00, which is 65.00% of the hypothetical Initial Stock Price

Contingent Coupon Rate: 8.35% per annum (or 2.0875% per quarter)

Contingent Coupon Amount: \$20.875 per quarter

Observation Dates: Quarterly

Principal Amount: \$1,000 per Note

Hypothetical Final Stock Prices are shown in the first column on the left. The second column shows the Payment at Maturity for a range of Final Stock Prices on the Valuation Date. The third column shows the amount of cash to be paid on the Notes per \$1,000 in principal amount. If the Notes are called prior to maturity, the hypothetical examples below will not be relevant, and you will receive on the applicable Coupon Payment Date, for each \$1,000 principal amount, \$1,000 plus the Contingent Coupon otherwise due on the Notes.

Hypothetical Final Stock Price of the Lesser Performing Reference Stock	Payment at Maturity as Percentage of Principal Amount	Cash Payment Amount per \$1,000 in Principal Amount
\$180.00	102.0875%*	\$1,020.875*
\$170.00	102.0875%*	\$1,020.875*
\$160.00	102.0875%*	\$1,020.875*
\$150.00	102.0875%*	\$1,020.875*
\$140.00	102.0875%*	\$1,020.875*
\$125.00	102.0875%*	\$1,020.875*
\$120.00	102.0875%*	\$1,020.875*
\$110.00	102.0875%*	\$1,020.875*
\$100.00	102.0875%*	\$1,020.875*
\$90.00	102.0875%*	\$1,020.875*
\$80.00	102.0875%*	\$1,020.875*
\$70.00	102.0875%*	\$1,020.875*
\$65.00	102.0875%*	\$1,020.875*

^{*} The hypothetical Initial Stock Price of \$100 used in the examples below has been chosen for illustrative purposes only and does not represent the actual Initial Stock Price of any Reference Stock. The actual Initial Stock Price for each Reference Stock is set forth on the cover page of this pricing supplement. We make no representation or warranty as to which of the Reference Stocks will be the Lesser Performing Reference Stock. It is possible that the Final Stock Price of each Reference Stock will be less than its Initial Stock Price.

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\$64.99	64.99%	\$649.90
\$60.00	60.00%	\$600.00
\$50.00	50.00%	\$500.00
\$45.00	45.00%	\$450.00
\$40.00	40.00%	\$400.00
\$30.00	30.00%	\$300.00
\$20.00	20.00%	\$200.00
\$10.00	10.00%	\$100.00
\$0.00	0.00%	\$0.00

^{*}Including the final Contingent Coupon, if payable.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

Hypothetical Examples of Amounts Payable at Maturity

The following hypothetical examples illustrate how the payments at maturity set forth in the table above are calculated, assuming the Notes have not been called.

Example 1: The price of the Lesser Performing Reference Stock increases by 25% from the Initial Stock Price of \$100.00 to its Final Stock Price of \$125.00. Because the Final Stock Price of the Lesser Performing Reference Stock is greater than its Trigger Price and Coupon Barrier, the investor receives at maturity, in addition to the final Contingent Coupon otherwise due on the Notes, a cash payment of \$1,000 per Note, despite the 25% appreciation in the price of the Lesser Performing Reference Stock.

Example 2: The price of the Lesser Performing Reference Stock decreases by 10% from the Initial Stock Price of \$100.00 to its Final Stock Price of \$90.00. Because the Final Stock Price of the Lesser Performing Reference Stock is greater than its Trigger Price and Coupon Barrier, the investor receives at maturity, in addition to the final Contingent Coupon otherwise due on the Notes, a cash payment of \$1,000 per Note, despite the 10% decline in the price of the Lesser Performing Reference Stock.

Example 3: The price of the Lesser Performing Reference Stock decreases by 60% from the Initial Stock Price of \$100.00 to its Final Stock Price of \$40.00. Because the Final Stock Price of the Lesser Performing Reference Stock is less than its Trigger Price and Coupon Barrier, the final Contingent Coupon will not be payable on the Maturity Date, and we will pay only \$400.00 for each \$1,000 in the principal amount of the Notes, calculated as follows: Principal Amount + (Principal Amount x Reference Stock Return of the Lesser Performing Reference Stock) = $$1,000 + ($1,000 \times -60.00\%) = $1,000 - $600.00 = 400.00

The Payments at Maturity shown above are entirely hypothetical; they are based on prices of the Reference Stocks that may not be achieved on the Valuation Date and on assumptions that may prove to be erroneous. The actual market value of your Notes on the Maturity Date or at any other time, including any time you may wish to sell your Notes, may bear little relation to the hypothetical Payments at Maturity shown above, and those amounts should not be viewed as an indication of the financial return on an investment in the Notes.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

SELECTED RISK CONSIDERATIONS

An investment in the Notes involves significant risks. Investing in the Notes is not equivalent to investing directly in the Reference Stocks. These risks are explained in more detail in the section "Risk Factors" in the product prospectus supplement. In addition to the risks described in the prospectus supplement and the product prospectus supplement, you should consider the following:

Principal at Risk — Investors in the Notes could lose all or a substantial portion of their principal amount if there is a decline in the trading price of the Lesser Performing Reference Stock between the Trade Date and the Valuation Date. If the Notes are not automatically called and the Final Stock Price of the Lesser Performing Reference Stock on the Valuation Date is less than its Trigger Price, the amount of cash that you receive at maturity will represent a loss of your principal that is proportionate to the decline in the closing price of the Lesser Performing Reference Stock from the Trade Date to the Valuation Date. Any Contingent Coupons received on the Notes prior to the Maturity Date may not be sufficient to compensate for any such loss.

The Notes Are Subject to an Automatic Call — If on any Observation Date beginning in January 2019, the closing price of each Reference Stock is greater than or equal to its Initial Stock Price, then the Notes will be automatically called. If the Notes are automatically called, then, on the applicable Call Settlement Date, for each \$1,000 in principal amount, you will receive \$1,000 plus the Contingent Coupon otherwise due on the applicable Call Settlement Date. You will not receive any Contingent Coupons after the Call Settlement Date. You may be unable to reinvest your proceeds from the automatic call in an investment with a return that is as high as the return on the Notes would have been if they had not been called.

You May Not Receive Any Contingent Coupons — We will not necessarily make any coupon payments on the Notes. If the closing price of any of the Reference Stocks on an Observation Date is less than its Coupon Barrier, we will not pay you the Contingent Coupon applicable to that Observation Date. If the closing price of any of the Reference Stocks is less than its Coupon Barrier on each of the Observation Dates and on the Valuation Date, we will not pay you any Contingent Coupons during the term of, and you will not receive a positive return on your Notes. Generally, this non-payment of the Contingent Coupon coincides with a period of greater risk of principal loss on your Notes. Accordingly, if we do not pay the Contingent Coupon on the Maturity Date, you will also incur a loss of principal, because the Final Stock Price of the Lesser Performing Reference Stock will be less than its Trigger Price. The Notes Are Linked to the Lesser Performing Reference Stock, Even if the Other Reference Stocks Perform Better — If any of the Reference Stocks has a Final Stock Price that is less than its Trigger Price, your return will be linked to the lesser performing of the three Reference Stocks. Even if the Final Stock Prices of the other Reference Stocks have increased compared to their respective Initial Stock Prices, or have experienced a decrease that is less than that of the Lesser Performing Reference Stock, your return will only be determined by reference to the performance of the Lesser Performing Reference Stock, regardless of the performance of the other Reference Stocks. Because each Reference Stock Issuer operates in the energy industry, they each may experience simultaneous and significant declines due to adverse conditions in that industry.

Your Payment on the Notes Will Be Determined by Reference to Each Reference Stock Individually, Not to a Basket, and the Payment at Maturity Will Be Based on the Performance of the Lesser Performing Reference Stock — The Payment at Maturity will be determined only by reference to the performance of the Lesser Performing Reference Stock, regardless of the performance of the other Reference Stocks. The Notes are not linked to a weighted basket, in which the risk may be mitigated and diversified among each of the basket components. For example, in the case of notes linked to a weighted basket, the return would depend on the weighted aggregate performance of the basket components reflected as the basket return. As a result, the depreciation of one basket component could be mitigated by the appreciation of the other basket components, as scaled by the weighting of that basket component. However, in the case of the Notes, the individual performance of each of the Reference Stocks would not be

combined, and the depreciation of one Reference Stock would not be mitigated by any appreciation of the other Reference Stocks. Instead, your return will depend solely on the Final Stock Price of the Lesser Performing Reference Stock.

The Call Feature and the Contingent Coupon Feature Limit Your Potential Return — The return potential of the Notes is limited to the pre-specified Contingent Coupon Rate, regardless of the appreciation of the Reference Stocks. In addition, the total return on the Notes will vary based on the number of Observation Dates on which the Contingent Coupon becomes payable prior to maturity or an automatic call. Further, if the Notes are called due to the Call Feature, you will not receive any Contingent Coupons or any other payment in respect of any Observation Dates after the applicable Call Settlement Date. Since the Notes could be called as early as January 2019, the total return on the Notes could minimal. If the Notes are not called, you may be subject to the full downside performance of the Lesser Performing Reference Stock even though your potential return is

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

limited to the Contingent Coupon Rate. As a result, the return on an investment in the Notes could be less than the return on a direct investment in the Reference Stocks.

Your Return May Be Lower than the Return on a Conventional Debt Security of Comparable Maturity — The return that you will receive on the Notes, which could be negative, may be less than the return you could earn on other investments. Even if your return is positive, your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of Royal Bank.

Payments on the Notes Are Subject to Our Credit Risk, and Changes in Our Credit Ratings Are Expected to Affect the Market Value of the Notes — The Notes are Royal Bank's senior unsecured debt securities. As a result, your receipt of any Contingent Coupons, if payable, and the amount due on any relevant payment date is dependent upon Royal Bank's ability to repay its obligations on the applicable payment dates. This will be the case even if the prices of the Reference Stocks increase after the Trade Date. No assurance can be given as to what our financial condition will be during the term of the Notes.

There May Not Be an Active Trading Market for the Notes-Sales in the Secondary Market May Result in Significant Losses — There may be little or no secondary market for the Notes. The Notes will not be listed on any securities exchange. RBCCM and other affiliates of Royal Bank may make a market for the Notes; however, they are not required to do so. RBCCM or any other affiliate of Royal Bank may stop any market-making activities at any time. Even if a secondary market for the Notes develops, it may not provide significant liquidity or trade at prices advantageous to you. We expect that transaction costs in any secondary market would be high. As a result, the difference between bid and asked prices for your Notes in any secondary market could be substantial.

The Initial Estimated Value of the Notes Is Less than the Price to the Public — The initial estimated value set forth on the cover page of this pricing supplement does not represent a minimum price at which we, RBCCM or any of our affiliates would be willing to purchase the Notes in any secondary market (if any exists) at any time. If you attempt to sell the Notes prior to maturity, their market value may be lower than the price you paid for them and the initial estimated value. This is due to, among other things, changes in the prices of the Reference Stocks, the borrowing rate we pay to issue securities of this kind, and the inclusion in the price to the public of the underwriting discount and the estimated costs relating to our hedging of the Notes. 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. Assuming no change in market conditions or any other relevant factors, the price, if any, at which you may be able to sell your Notes prior to maturity may be less than your original purchase price, as any such sale price would not be expected to include the underwriting discount and the hedging costs relating to the Notes. In addition to bid-ask spreads, the value of the Notes determined by RBCCM for any secondary market price is expected to be based on the secondary rate rather than the internal funding rate used to price the Notes and determine the initial estimated value. As a result, the secondary price will be less than if the internal funding rate was used. The Notes are not designed to be short-term trading instruments. Accordingly, you should be able and willing to hold your Notes to maturity.

The Initial Estimated Value of the Notes on the Cover Page of this Pricing Supplement Is an Estimate Only, Calculated as of the Time the Terms of the Notes Were Set — The initial estimated value of the Notes is based on the value of our obligation to make the payments on the Notes, together with the mid-market value of the derivative embedded in the terms of the Notes. See "Structuring the Notes" below. Our estimate is based on a variety of assumptions, including our credit spreads, expectations as to dividends, interest rates and volatility, and the expected term of the Notes. These assumptions are based on certain forecasts about future events, which may prove to be incorrect. Other entities may value the Notes or similar securities at a price that is significantly different than we do.

The value of the Notes at any time after the Trade Date will vary based on many factors, including changes in market conditions, and cannot be predicted with accuracy. As a result, the actual value you would receive if you sold the Notes in any secondary market, if any, should be expected to differ materially from the initial estimated value of your Notes.

Market Disruption Events and Adjustments — The payment at maturity, each Observation Date and the Valuation Date are subject to adjustment as described in the product prospectus supplement. For a description of what constitutes a market disruption event as well as the consequences of that market disruption event, see "General Terms of the Notes—Market Disruption Events" in the product prospectus supplement.

Our Business Activities May Create Conflicts of Interest — We and our affiliates expect to engage in trading activities related to the Reference Stocks that are not for the account of holders of the Notes or on their behalf. These trading activities may present a conflict between the holders' interests in the Notes and the interests we and our affiliates will have in their proprietary accounts, in facilitating transactions, including options and other derivatives transactions, for their customers and in

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

accounts under their management. These trading activities, if they influence the share price of the Reference Stocks, could be adverse to the interests of the holders of the Notes. We and one or more of our affiliates may, at present or in the future, engage in business with the Reference Stock Issuers, including making loans to or providing advisory services. These services could include investment banking and merger and acquisition advisory services. These activities may present a conflict between our or one or more of our affiliates' obligations and your interests as a holder of the Notes. Moreover, we and our affiliates may have published, and in the future expect to publish, research reports with respect to the Reference Stocks. This research is modified from time to time without notice and may express opinions or provide recommendations that are inconsistent with purchasing or holding the Notes. Any of these activities by us or one or more of our affiliates may affect the share price of the Reference Stocks, and, therefore, the market value of the Notes.

Owning the Notes Is Not the Same as Owning the Reference Stocks — The return on your Notes is unlikely to reflect the return you would realize if you actually owned shares of the Reference Stocks. For instance, you will not receive or be entitled to receive any dividend payments or other distributions on these securities during the term of your Notes. As an owner of the Notes, you will not have voting rights or any other rights that holders of these securities may have. Furthermore, the Reference Stocks may appreciate substantially during the term of the Notes, while your potential return will be limited to the applicable Contingent Coupon payments.

You Must Rely on Your Own Evaluation of the Merits of an Investment Linked to the Reference Stocks — In the ordinary course of their business, our affiliates may have expressed views on expected movements in the Reference Stocks, and may do so in the future. These views or reports may be communicated to our clients and clients of our affiliates. However, these views are subject to change from time to time. Moreover, other professionals who transact business in markets relating to any Reference Stock may at any time have significantly different views from those of our affiliates. For these reasons, you are encouraged to derive information concerning the Reference Stocks from multiple sources, and you should not rely solely on views expressed by our affiliates.

There Is No Affiliation Between the Reference Stock Issuers and RBCCM, and RBCCM Is Not Responsible for any Disclosure by the Reference Stock Issuers — We are not affiliated with the Reference Stock Issuers. However, we and our affiliates may currently, or from time to time in the future engage, in business with any Reference Stock Issuer. Nevertheless, neither we nor our affiliates assume any responsibilities for the accuracy or the completeness of any information that any other company prepares. You, as an investor in the Notes, should make your own investigation into the Reference Stocks.

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INFORMATION REGARDING THE REFERENCE STOCK ISSUERS

The Reference Stocks are registered under the Securities Exchange Act of 1934 (the "Exchange Act"). Companies with securities registered under that Act are required to file periodically certain financial and other information specified by the SEC. Information provided to or filed with the SEC can be inspected and copied at the public reference facilities maintained by the SEC or through the SEC's website at www.sec.gov. In addition, information regarding the Reference Stocks may be obtained from other sources including, but not limited to, press releases, newspaper articles and other publicly disseminated documents.

The following information regarding the Reference Stock Issuers is derived from publicly available information. We have not independently verified the accuracy or completeness of reports filed by the Reference Stock Issuers with the SEC, information published by it on its website or in any other format, information about it obtained from any other source or the information provided below.

We obtained the information regarding the historical performance of the Reference Stocks set forth below from Bloomberg Financial Markets.

We have not independently verified the accuracy or completeness of the information obtained from Bloomberg Financial Markets. The historical performance of the Reference Stocks should not be taken as an indication of their future performance, and no assurance can be given as to the market prices of any Reference Stock at any time during the term of the Notes. We cannot give you assurance that the performance of any Reference Stock will not result in the loss of all or part of your investment.

Chevron Corporation ("CVX")

Chevron Corporation is an integrated energy company with operations in countries located around the world. The company produces and transports crude oil and natural gas. The company also refines, markets, and distributes fuels, as well as is involved in chemical and mining operations, power generation, and energy services.

The company's common stock is listed on the New York Stock Exchange ("NYSE") under the ticker symbol "CVX." Halliburton Company ("HAL")

Halliburton Company provides energy and engineering and construction services, as well as manufactures products for the energy industry. The company offers services and products and integrated solutions to customers in the exploration, development, and production of oil and natural gas.

The company's common stock is listed on the NYSE under the ticker symbol "HAL."

Exxon Mobil Corporation ("XOM")

Exxon Mobil Corporation operates petroleum and petrochemicals businesses on a worldwide basis. The company operations include exploration and production of oil and gas, electric power generation, and coal and minerals operations. The company also manufactures and markets fuels, lubricants, and chemicals.

The company's common stock is listed on the NYSE under the ticker symbol "XOM."

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HISTORICAL INFORMATION

The graphs below set forth the information relating to the historical performance of the Reference Stocks. In addition, below the graphs are tables setting forth the intra-day high, intra-day low and period-end closing prices of the Reference Stocks. The information provided in these tables is for the period from January 1, 2008 through July 13, 2018.

We obtained the information regarding the historical performance of the Reference Stocks in the graphs and tables below from Bloomberg Financial Markets.

We have not independently verified the accuracy or completeness of the information obtained from Bloomberg Financial Markets. The historical performance of any Reference Stock should not be taken as an indication of its future performance, and no assurance can be given as to the prices of the Reference Stocks at any time. We cannot give you assurance that the performance of the Reference Stocks will not result in the loss of all or part of your investment.

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Historical Information for Chevron Corporation ("CVX")

Below is a table setting forth the intra-day high, intra-day low and period-end closing prices of this Reference Stock. The information provided in the table is for the period from January 1, 2008 through July 13, 2018.

	_	High Intra-Day Price of this		•
Date	Date	Reference Stock (\$)	Reference Stock (\$)	this Reference Stock (\$)
1/1/2008	3/31/2008	95.21	76.41	85.36
4/1/2008	6/30/2008	104.62	84.60	99.13
7/1/2008	9/30/2008	100.00	77.50	82.48
10/1/2008	12/31/2008		55.50	73.38
1/1/2009	3/31/2009	78.44	56.12	67.24
4/1/2009	6/30/2009	72.75	63.06	66.25
7/1/2009	9/30/2009	73.37	60.88	70.43
10/1/2009	12/31/2009		67.87	77.65
1/1/2010	3/31/2010	81.09	69.55	75.83
4/1/2010	6/30/2010	83.40	67.80	67.86
7/1/2010	9/30/2010	82.19	66.83	81.05
10/1/2010	12/31/2010	92.39	80.41	91.60
1/1/2011	3/31/2011	109.65	90.12	107.43
4/1/2011	6/30/2011	109.94	97.00	102.84
7/1/2011	9/30/2011	109.75	87.31	92.52
10/1/2011	12/31/2011	110.00	86.68	106.40
1/1/2012	3/31/2012	112.28	102.08	107.24
4/1/2012	6/30/2012	108.79	95.74	105.50
7/1/2012	9/30/2012	118.50	103.29	116.56
10/1/2012	12/31/2012	118.38	100.66	108.14
1/1/2013	3/31/2013	121.56	108.75	118.82
4/1/2013	6/30/2013	127.40	114.13	118.34
7/1/2013	9/30/2013	127.82	117.25	121.50
10/1/2013	12/31/2013	125.65	114.44	124.91
1/1/2014	3/31/2014	125.32	109.27	118.91
4/1/2014	6/30/2014	133.57	116.55	130.55
7/1/2014	9/30/2014	135.10	118.67	119.32
10/1/2014	12/31/2014	120.16	100.15	112.18
1/1/2015		113.00	98.88	104.98
4/1/2015	6/30/2015	112.17	96.23	96.47
7/1/2015	9/30/2015	96.66	69.58	78.88
10/1/2015	12/31/2015	98.64	77.32	89.96
1/1/2016	3/31/2016	97.80	75.33	95.40
4/1/2016	6/30/2016	105.00	92.44	104.83
7/1/2016	9/30/2016	107.58	97.53	102.92
10/1/2016	12/31/2016		99.61	117.70
1/1/2017	3/31/2017	119.00	105.82	107.37
4/1/2017	6/30/2017	110.65	102.56	104.33
7/1/2017	9/30/2017	118.33	102.56	117.50

10/1/2017	12/31/2017	126.20	112.57	125.19
1/1/2018	3/31/2018	133.86	108.02	114.04
4/1/2018	6/30/2018	131.05	110.54	126.43
7/1/2018	7/13/2018	128.51	122.97	124.04

PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

The graph below illustrates the performance of this Reference Stock from January 1, 2008 to July 13, 2018, reflecting its Initial Stock Price of \$124.04. The red line represents the Coupon Barrier and Trigger Price of \$80.63, which is equal to 65.00% of its Initial Stock Price, rounded to two decimal places.

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Historical Information for Halliburton Company ("HAL")

Below is a table setting forth the intra-day high, intra-day low and period-end closing prices of this Reference Stock. The information provided in the table is for the period from January 1, 2008 through July 13, 2018.

	•	High Intra-Day Price of this	·	•
Date	Date	Reference Stock (\$)	Reference Stock (\$)	this Reference Stock (\$)
1/1/2008	3/31/2008	39.98	30.01	39.33
4/1/2008	6/30/2008	53.97	38.56	53.07
7/1/2008	9/30/2008	55.38	29.00	32.39
10/1/2008	12/31/2008		12.80	17.73
1/1/2009	3/31/2009	21.47	14.68	15.47
4/1/2009	6/30/2009	24.76	14.82	20.70
7/1/2009	9/30/2009	28.58	18.11	27.12
10/1/2009	12/31/2009		25.50	29.97
1/1/2010	3/31/2010	34.87	27.71	30.13
4/1/2010	6/30/2010	35.22	21.10	24.55
7/1/2010	9/30/2010	33.84	24.27	33.07
10/1/2010	12/31/2010		28.86	41.01
1/1/2011		50.47	37.69	49.84
4/1/2011	6/30/2011	51.39	44.47	51.00
7/1/2011	9/30/2011	57.77	30.48	30.52
10/1/2011	12/31/2011	40.42	27.21	34.51
1/1/2012	3/31/2012	39.19	32.02	33.19
4/1/2012	6/30/2012	35.32	26.29	28.39
7/1/2012	9/30/2012	37.99	27.62	33.69
10/1/2012	12/31/2012	36.00	29.84	34.69
1/1/2013	3/31/2013	43.95	35.08	40.41
4/1/2013	6/30/2013	45.75	36.77	41.72
7/1/2013	9/30/2013	50.50	41.86	48.15
10/1/2013	12/31/2013	56.52	48.00	50.75
1/1/2014	3/31/2014	59.98	47.60	58.89
4/1/2014	6/30/2014	71.25	57.15	71.01
7/1/2014	9/30/2014	74.33	63.07	64.51
10/1/2014	12/31/2014	64.88	37.22	39.33
1/1/2015	3/31/2015	44.92	37.28	43.88
4/1/2015	6/30/2015	50.20	42.54	43.07
7/1/2015	9/30/2015	43.69	30.99	35.35
10/1/2015	12/31/2015	41.28	33.14	34.04
1/1/2016	3/31/2016	36.74	27.65	35.72
4/1/2016	6/30/2016	46.69	33.27	45.29
7/1/2016	9/30/2016	46.90	40.12	44.88
10/1/2016	12/31/2016		44.23	54.09
1/1/2017	3/31/2017	58.78	47.52	49.21
4/1/2017	6/30/2017	51.25	41.37	42.71
7/1/2017	9/30/2017	46.18	38.19	46.03

10/1/2017	12/31/2017	49.28	40.72	48.87
1/1/2018	3/31/2018	57.86	44.22	46.94
4/1/2018	6/30/2018	54.91	44.41	45.06
7/1/2018	7/13/2018	47.03	43.94	45.35

PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

The graph below illustrates the performance of this Reference Stock from January 1, 2008 to July 13, 2018, reflecting its Initial Stock Price of \$45.35. The red line represents the Coupon Barrier and Trigger Price of \$29.48, which is equal to 65.00% of its Initial Stock Price, rounded to two decimal places.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

Historical Information for Exxon Mobil Corporation ("XOM")

Below is a table setting forth the intra-day high, intra-day low and period-end closing prices of this Reference Stock. The information provided in the table is for the period from January 1, 2008 through July 13, 2018.

	_	High Intra-Day Price of this	-	•
Date	Date	Reference Stock (\$)	Reference Stock (\$)	this Reference Stock (\$)
1/1/2008	3/31/2008	94.74	77.56	84.58
4/1/2008	6/30/2008	96.12	84.26	88.13
7/1/2008	9/30/2008	89.61	71.71	77.66
10/1/2008	12/31/2008		56.51	78.59
1/1/2009	3/31/2009	82.72	61.86	68.10
4/1/2009	6/30/2009	74.83	64.53	69.91
7/1/2009	9/30/2009	72.79	64.46	68.61
10/1/2009	12/31/2009		66.12	68.77
1/1/2010	3/31/2010	70.52	63.56	66.98
4/1/2010	6/30/2010	70.00	56.92	57.07
7/1/2010	9/30/2010	62.99	55.95	61.79
10/1/2010	12/31/2010	73.68	61.80	73.36
1/1/2011	3/31/2011	88.23	73.64	84.13
4/1/2011	6/30/2011	88.03	76.72	81.38
7/1/2011	9/30/2011	85.41	67.03	72.63
10/1/2011	12/31/2011	85.62	69.21	84.76
1/1/2012	3/31/2012	87.94	83.19	86.73
4/1/2012	6/30/2012	87.66	77.13	85.57
7/1/2012	9/30/2012	92.57	82.84	91.45
10/1/2012	12/31/2012	93.60	84.70	86.55
1/1/2013	3/31/2013	91.93	87.24	90.11
4/1/2013	6/30/2013	93.50	85.03	90.35
7/1/2013	9/30/2013	95.49	85.61	86.04
10/1/2013	12/31/2013	101.74	84.79	101.20
1/1/2014		101.21	89.25	97.68
4/1/2014	6/30/2014	104.61	96.24	100.68
7/1/2014	9/30/2014	104.75	93.62	94.05
10/1/2014	12/31/2014		86.20	92.45
1/1/2015		93.45	82.69	85.00
4/1/2015	6/30/2015	90.08	82.80	83.20
7/1/2015	9/30/2015	83.53	66.55	74.35
	12/31/2015		73.03	77.95
1/1/2016		85.09	71.55	83.59
4/1/2016	6/30/2016	93.82	81.99	93.74
7/1/2016	9/30/2016	95.52	82.29	87.28
10/1/2016	12/31/2016		82.76	90.26
1/1/2017	3/31/2017	91.16	80.31	82.01
4/1/2017	6/30/2017	83.68	79.27	80.73
7/1/2017	9/30/2017	82.48	76.05	81.98

10/1/2017	12/31/2017	84.36	80.01	83.64
1/1/2018	3/31/2018	89.30	72.68	74.61
4/1/2018	6/30/2018	83.77	72.16	82.73
7/1/2018	7/13/2018	84.11	81.33	83.31

PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

The graph below illustrates the performance of this Reference Stock from January 1, 2008 to July 13, 2018, reflecting its Initial Stock Price of \$83.31. The red line represents the Coupon Barrier and Trigger Price of \$54.15, which is equal to 65.00% of its Initial Stock Price, rounded to two decimal places.

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

SUPPLEMENTAL DISCUSSION OF

U.S. FEDERAL INCOME TAX CONSEQUENCES

The following disclosure supplements, and to the extent inconsistent supersedes, the discussion in the product prospectus supplement dated January 8, 2016 under "Supplemental Discussion of U.S. Federal Income Tax Consequences." The discussions below and in the accompanying product prospectus supplement do not address the tax consequences applicable to holders subject to Section 451(b) of the Code.

Under Section 871(m) of the Code, a "dividend equivalent" payment is treated as a dividend from sources within the United States. Such payments generally would be subject to a 30% U.S. withholding tax if paid to a non-U.S. holder. Under U.S. Treasury Department regulations, payments (including deemed payments) with respect to equity-linked instruments ("ELIs") that are "specified ELIs" may be treated as dividend equivalents if such specified ELIs reference an interest in an "underlying security," which is generally any interest in an entity taxable as a corporation for U.S. federal income tax purposes if a payment with respect to such interest could give rise to a U.S. source dividend. However, the IRS has issued guidance that states that the U.S. Treasury Department and the IRS intend to amend the effective dates of the U.S. Treasury Department regulations to provide that withholding on dividend equivalent payments will not apply to specified ELIs that are not delta-one instruments and that are issued before January 1, 2019. Based on our determination that the Notes are not delta-one instruments, non-U.S. holders should not be subject to withholding on dividend equivalent payments, if any, under the Notes. However, it is possible that the Notes could be treated as deemed reissued for U.S. federal income tax purposes upon the occurrence of certain events affecting the Reference Stocks or the Notes, and following such occurrence the Notes could be treated as subject to withholding on dividend equivalent payments. Non-U.S. holders that enter, or have entered, into other transactions in respect of the Reference Stocks or the Notes should consult their tax advisors as to the application of the dividend equivalent withholding tax in the context of the Notes and their other transactions. If any payments are treated as dividend equivalents subject to withholding, we (or the applicable withholding agent) would be entitled to withhold taxes without being required to pay any additional amounts with respect to amounts so withheld.

SUPPLEMENTAL PLAN OF DISTRIBUTION (CONFLICTS OF INTEREST)

Delivery of the Notes will be made against payment for the Notes on July 18, 2018, which is the third (3rd) business day following the Trade Date (this settlement cycle being referred to as "T+3"). See "Plan of Distribution" in the prospectus dated January 8, 2016. For additional information as to the relationship between us and RBCCM, please see the section "Plan of Distribution—Conflicts of Interest" in the prospectus dated January 8, 2016.

We will deliver the Notes on a date that is greater than two business days following the Trade Date. Under Rule 15c6-1 of the Exchange Act, 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 arrangements to prevent a failed settlement.

In the initial offering of the Notes, they were offered to investors at a purchase price equal to par, except with respect to certain accounts as indicated on the cover page of this document.

The value of the Notes shown on your account statement may be based on RBCCM's estimate of the value of the Notes if RBCCM or another of our 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 RBCCM may pay for the Notes in light of then prevailing market conditions, our creditworthiness and transaction costs. For a period of approximately three months after the issue date of the Notes, the value of the Notes that may be shown on your account statement may be higher than RBCCM's estimated value of the Notes at that time. This is because the estimated value of the Notes will not include the underwriting discount and our hedging costs and profits; however, the value of the Notes shown on your account statement during that period may initially be a higher amount, reflecting the addition of RBCCM's underwriting

discount and our estimated costs and profits from hedging the Notes. This excess is expected to decrease over time until the end of this period. After this period, if RBCCM repurchases your Notes, it expects to do so at prices that reflect their estimated value.

We may use this pricing supplement in the initial sale of the Notes. In addition, RBCCM or another of our affiliates may use this pricing supplement in a market-making transaction in the Notes after their initial sale. Unless we or our agent informs the purchaser otherwise in the confirmation of sale, this pricing supplement is being used in a market-making transaction.

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

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Auto-Callable Contingent Coupon Barrier Notes Linked to the Lesser Performing of Three Equity Securities Royal Bank of Canada

(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.

STRUCTURING THE NOTES

The Notes are our debt securities, the return on which is linked to the performance of the Reference Stocks. As is the case for all of our debt securities, including our structured notes, the economic terms of the Notes reflect our actual or perceived creditworthiness at the time of pricing. In addition, because structured 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 that we might pay for a conventional fixed or floating rate debt security of comparable maturity. Using this relatively lower implied borrowing rate rather than the secondary market rate, is a factor that reduced the initial estimated value of the Notes at the time their terms were set. Unlike the estimated value included in this pricing supplement, any value of the Notes determined for purposes of a secondary market transaction may be based on a different funding rate, which may result in a lower value for the Notes than if our initial internal funding rate were used.

In order to satisfy our payment obligations under the Notes, we may choose to enter into certain hedging arrangements (which may include call options, put options or other derivatives) on the issue date with RBCCM or one of our other subsidiaries. The terms of these hedging arrangements take into account a number of factors, including our creditworthiness, interest rate movements, the volatility of the Reference Stocks, and the tenor of the Notes. The economic terms of the Notes and their initial estimated value depend in part on the terms of these hedging arrangements.

The lower implied borrowing rate is a factor that reduced the economic terms of the Notes to you. The initial offering price of the Notes also reflects the underwriting commission and our estimated hedging costs. These factors resulted in the initial estimated value for the Notes on the Trade Date being less than their public offering price. See "Selected Risk Considerations—The Initial Estimated Value of the Notes Is Less than the Price to the Public" above.

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 the Bank 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 the Bank, 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 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 January 8, 2016, which has been filed as Exhibit 5.1 to Royal Bank's Form 6-K dated January 8, 2016.

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 the Bank, 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 the Bank and other sources as to certain factual matters, all as stated in the legal opinion dated January 8, 2016, which has been filed as Exhibit 5.2 to the Bank's Form 6-K dated January 8, 2016.

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