

ROYAL BANK OF CANADA
Form FWP
June 29, 2018

Filed Pursuant to Rule 433
Registration Statement No. 333-208507

Enhanced Income: Autocallable Contingent Coupon Barrier Notes (Lesser Performing) What are the key features of Autocallable Contingent Coupon Barrier Notes (Lesser Performing) (“Notes”)? Enhanced income potential relative to traditional income-generating investments Coupon and maturity payments are contingent upon the performance of multiple underlying assets, typically single stocks, exchange traded funds (ETFs), or broad-based equity indexes (the “underlying assets”) The Notes can be automatically called by the issuer at fixed intervals, typically quarterly, during the term of the note Payment at Maturity is determined by reference only to the lesser performing underlying asset Senior unsecured debt issued by Royal Bank of Canada (RBC) Flexibility to be linked to the performance of multiple individual stocks, exchange traded funds (ETFs), or broad-based benchmark equity indexes Complement or an alternative to high yield fixed income investments and/or direct ownership in the underlying assets Why would an investor purchase the Notes? An investor would allocate a portion of their diversified portfolio to Notes if they: Would like the potential to earn enhanced income, relative to traditional income generating investments, with exposure to stocks, ETFs, or equity indexes they otherwise already own and/or are moderately bullish on Understand that coupon payments are contingent upon the performance of least performing of the underlying assets and that a coupon might not be paid during the term of the note if any of the underlying assets close below a specified coupon barrier level on the specified observation dates Are comfortable with full principal at risk should the level of the least performing underlying asset be lower than the principal barrier level at the maturity of the Note Are willing to forgo any upside participation in the underlying assets from their initial levels Are comfortable assuming reinvestment risk should the Note get automatically called before the maturity date Are comfortable with assuming the credit risk of the issuer, Royal Bank of Canada Are comfortable with holding the Notes until their stated maturity if they are not previously called Selected Risk Factors Potential Loss of Principal: Investors will lose some or all of their initial investment if the return of any of the underlying assets is below the principal barrier level at maturity and has not been previously called. This will be the case even if the other underlying assets perform better. The return is not determined by reference to a basket of underlying assets Contingent coupon payments: No coupon will be paid if any of the underlying assets closes below the coupon barrier level on the relevant observation dates. Investors may receive no coupons during the term of the Notes Subject to Automatic Call: Notes automatically called if the level of all of the underlying assets are greater than or equal to their respective initial levels on specified observation dates. If called, investors may be unable to reinvest their proceeds in a product with a comparable coupon Limited Return: The return on the Notes is limited to the coupon payments, if any. Investors will not participate in any appreciation of the underlying assets No Dividends: Investors do not receive dividends paid by the underlying assets Limited Secondary Markets: Notes may have a limited or no secondary market. Prior to maturity, the price at which the Notes can be sold, if at all, may be at a substantial discount from the principal amount Credit Risk: Notes are senior, unsecured debt of the issuer and, as such, any market-linked return and payments at maturity are subject to issuer’s credit risk Complex Investments: Notes have some complex features and may not be suitable for all investors

RBC CAPITAL MARKETS ENHANCED INCOME: AUTOCALLABLE CONTINGENT COUPON BARRIER NOTES (LESSER PERFORMING) AUTOCALLABLE CONTINGENT COUPON NOTES LINKED TO THE LESSER PERFORMING OF MULTIPLE UNDERLYING ASSETS – PAYOFF PROFILE DURING TERM OF NOTE AND AT MATURITY The following illustrates hypothetical scenarios of holding a Note and assumes a 30% principal and coupon barrier. Hypothetical Example Issuer Royal Bank of Canada Term 2 years Underlying Two equity indexes Coupon Barrier Level 70% of initial value of each index Principal Barrier Level 70% of initial value of each index Coupon 8% p.a.; paid only if level of the lesser performing index is at or above Coupon Barrier Level on the specified quarterly observation dates Coupon frequency Quarterly Autocall Feature Starting in month 6, automatically called if the level of both indexes are at or above their initial levels on the specified quarterly observation dates If, on a specified observation date before maturity: Quarterly Coupon Payment Called? Note Payoff* The lesser performing of the indexes is less than its initial level and greater than or equal to the coupon barrier level 2% No N/A The lesser performing of the indexes is less than the coupon barrier level 0% No N/A Both indexes are greater than or equal to their initial levels 2% Yes Early redemption; full principal is returned If the note was never called, then at maturity if: The lesser performing of the indexes is greater than or equal to the principal barrier level and the coupon barrier 2% N/A Full principal is returned The lesser performing of the indexes is less than the principal barrier level and coupon barrier level 0% N/A 1:1 percentage loss from initial value, based on lesser performing index *Payment of principal subject to issuer's credit risk POTENTIAL RETURN SCENARIOS AT MATURITY IF NEVER CALLED POTENTIAL RETURN AND AUTOMATIC CALL SCENARIOS PRIOR TO MATURITY

120%	110%	100%	90%	80%	70%	60%	50%	Trade Date	First Call Date	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Index 1	Index 2	
Initial Barrier	120%	110%	100%	90%	80%	70%	60%	50%	Trade Date	First Call Date	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Index 1	Index 2
Initial Barrier	120%	110%	100%	90%	80%	70%	60%	50%	Trade Date	First Call Date	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Index 1	Index 2
Initial Barrier	120%	110%	100%	90%	80%	70%	60%	50%	Trade Date	First Call Date	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Index 1	Index 2
Initial Barrier	120%	110%	100%	90%	80%	70%	60%	50%	Trade Date	First Call Date	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Index 1	Index 2

On the relevant observation date, the investor will receive a coupon of 2% for Q1 and 2% for Q2 since both Indexes are above the barrier of 70% The note will be called from the investor at the Q2 call date at 100% of their principal amount because both indexes are above 100% of their initial value On the relevant observation date, the investor will receive a coupon of 2% for Q1, a coupon of 2% for Q2, and a coupon of 2% for Q3 since both indexes are above the barrier of 70% on each respective date The note will be called from the investor at the Q3 call date at 100% of their principal value because both Indexes are above 100% of their initial value On the relevant observation date, the investor will receive a coupon of 2% only for Q8 since both indexes are above the barrier of 70% on such date At maturity, the investor will receive back 100% of their principal, as both indexes are above the barrier of 70%, but below 100% of their initial value No coupons are paid during the term of the note since the closing price of the lesser performing index was always below the barrier of 70% on each observation date At maturity, since the return of Index 1 is -40% (below the barrier) the investor will fully participate in the decline of this index, regardless of the performance of Index 2, and thus their return in the note will be 60% of their principal

RBC CAPITAL MARKETS ENHANCED INCOME: AUTOCALLABLE CONTINGENT COUPON BARRIER NOTES (LESSER PERFORMING) About Royal Bank of Canada (RBC) 5th largest bank in N. America, by market capitalization¹ Well-diversified, global financial institution with over 80,000 employees in 40+ countries servicing over 16 million clients Approximately US\$954 billion in total assets² One of the highest rated banks globally (S&P AA- / Moody's A1)³ Leading corporate citizen with over \$100M in donations, sponsorships and community investments in 2016, including the RBC Kids Pledge Selected Risk Factors An investment in the Notes involves significant risks that will be explained in the applicable offering documents. Before investing in a Note investors should carefully read the offering documents to understand the potential risks. Some general risk considerations for Notes include, but are not limited to the following: The Notes are unsecured debt obligations of RBC. Investors are dependent on the ability of RBC to pay all amounts due on the Notes, and therefore they are subject to RBC's credit risk and to changes in the market's view of the creditworthiness of RBC. Investors could lose some or all of their principal if there is a decline in the level of any of the underlying assets below the principal barrier level and are not called prior to maturity. The Notes will be automatically called if the level of each underlying asset is greater than or equal to its initial level on specified observation dates. If called, investors may be unable to reinvest their proceeds in a product providing a comparable return. The return potential of the Notes is limited to the contingent coupons, regardless of the appreciation of any of the underlying assets. There may be no coupon payments on the Notes. Additionally, if the Notes are called prior to maturity, investors will not receive any further coupons or other payments after the call settlement date. The payment at maturity for the Notes is determined only by reference to the lesser performing underlying assets, even if the other underlying assets perform better. All payments on the Notes will be determined by reference to each underlying asset individually, not to a basket. Notes are typically sold at par and include fees and costs such as commissions, hedging costs and projected profits of RBC or its affiliates. Therefore, the estimated initial value (EIV) of a Note on the issue date will be less than the issue price that an investor pays for the Note. Any EIV of a Note does not represent RBC's estimate of the future value of the Note, or any price for which an investor may be able to sell it. The Notes will not be listed on any securities exchange. RBC and its affiliates are not obligated to maintain a secondary market and may cease market-making activities at any time. Any secondary market may not provide significant liquidity or trade at prices advantageous to the investor. The return on the Notes may be lower than the return investors could earn through a direct investment in the underlying stock or on other investments during the same term. The return on the Notes may be less than the return investors could earn if it bought a conventional debt security of RBC. Investing in the Notes is not the same as owning the underlying assets or a security directly linked to the underlying assets. The activities of RBC or its affiliates may conflict with investor's interests and may adversely affect the value of the Notes. Also an affiliate of RBC will serve as the calculation agent for the Notes who will exercise its judgment when performing its functions. Since the decisions the calculation agent makes will affect the payments on the notes, the calculation agent may have a conflict of interest with respect to such decisions. Many economic and market factors will influence the value of the Notes. Significant aspects of the tax treatment of Notes may be complex and uncertain. Investors should consult with their tax advisor before investing in any Notes to determine the effects of their individual circumstances. The Notes have complex features and may not be suitable for all investors. rbccm.com (1) US\$110 billion, as of April 30, 2018, per International Financial Reporting Standards (IFRS) (2) As of April 30, 2018 (3) A credit rating reflects the creditworthiness of RBC is not a recommendation to buy, sell or hold the notes, and may be subject to revision or withdrawal at any time by the assigning rating organization. The ratings do not provide an indication of the expected performance of the notes. The notes themselves will not be independently rated. Each rating should be evaluated independently of any other rating. The information contained herein has been compiled from sources believed to be reliable by RBC Capital Markets or any of its businesses. 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