

EQUITY LINKED SECURITIES | RBC GLOBAL INVESTMENT SOLUTIONS

RBC Energy Basket Callable Yield 14.50% Securities (CAD), Series 668 Non-Principal Protected Security

	Subscriptions Close
I	on or about February 17, 2023
	FUNDSERV
	RBC7868
(Autocall Observation Dates
	August 21, 2023 and monthly thereafter
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This summary is qualified in its entirety by a pricing supplement (the "**Pricing Supplement**"), the base shelf prospectus dated March 25, 2022, the program prospectus supplement dated March 28, 2022, as supplemented November 11, 2022 and the product prospectus supplement dated March 28, 2022 in respect of equity, unit and debt linked securities, as supplemented November 11, 2022.

www.rbcnotes.com

Performance linked to the common shares of **three Canadian energy companies**

Potential 14.5000% coupon per annual period

KEY TERMS

Issuer:	Royal Bank of Canada
Issuer Credit Ratings:	Moody's: Aa1; S&P: AA-; DBRS: AA
Currency:	CAD
Minimum Investment:	50 Securities or \$5,000
Term:	Approximately 7 years
Principal at Risk:	The Securities are not principal protected
Underlying Securities:	The return on the Securities is linked to the price performance (excluding any dividends and other distributions) of a notional portfolio (the " Portfolio ") of the common shares (the " Underlying Securities " and each, an " Underlying Security ") of the three Canadian energy companies listed below (the " Underlying Security Issuers " and each, an " Underlying Security Issuer "). The Underlying Securities will be equally weighted in the Portfolio (the " Portfolio Weight ") at the Initial Valuation Date. Such weightings will not be adjusted or rebalanced during the term of the Securities. Securities do not represent an interest in the Underlying Securities, and holders will have no right

adjusted or rebalanced during the term of the Securities. Securities do not represent an interest in the Underlying Securities, and holders will have no right or entitlement to the Underlying Securities, including, without limitation, redemption rights (if any), voting rights or rights to receive dividends and other distributions paid on any of such Underlying Securities. The annual dividend yield on the Portfolio as of February 7, 2023 was 3.92%, representing an aggregate dividend yield of approximately 30.90% compounded annually over the seven-year term, on the assumption that the dividend yield remains constant.

Entity Name	Symbol	Exchange	Portfolio Weight	Closing Prices (as of February 7, 2023)
Canadian Natural Resources Limited	CNQ	TSX	33.333%	79.33
Cenovus Energy Inc.	CVE	TSX	33.333%	26.09
Suncor Energy Inc.	SU	TSX	33.333%	44.91
Issue Date: February 27, 2023				

A final base shelf prospectus containing important information relating to the securities described in this document has been filed with the securities regulatory authorities in each of the provinces and territories of Canada. A copy of the final base shelf prospectus, any amendment to the final base shelf prospectus and any applicable shelf prospectus supplement that has been filed, is required to be delivered with this document. This document does not provide full disclosure of all material facts relating to the securities offered. Investors should read the final base shelf prospectus, any amendment and any applicable shelf prospectus supplement for disclosure of those facts, especially risk factors relating to the securities offered, before making an investment decision.

KEY TERMS CONTINUED

Maturity Date:	February 26, 2030						
Initial Portfolio Value:	The "Initial Portfolio Value" is the Portfolio Value on February 21, 2023 (the "Initial Valuation Date").						
Final Portfolio Value:	The "Final Portfolio Value" is the Portfolio Value on February 21, 2030 (the "Final Valuation Date").						
Coupon Barrier Value:	The "Coupon Barrier Value" is 70.00% of the Initial Portfolio Value.						
Protection Barrier Value:	The "Protection Barrie	er Value" is 70.00% of th	e Initial Portfolio Value.				
Portfolio Value:	closing price of each U	Jnderlying Security, as a	nnounced by the TSX, o	l by: (a) multiplying (i) the official n such Exchange Days by (ii) the ty; and (b) aggregating the resulting			
Number of Underlying Securities:	Portfolio Weight for su this offering; and (ii) div	The " Number of Underlying Securities " for each Underlying Security is calculated by: (i) multiplying the Portfolio Weight for such Underlying Security by the aggregate Principal Amount of Securities issued under this offering; and (ii) dividing the resulting product by the official closing price of such Underlying Security, as announced by the TSX, on the Initial Valuation Date.					
Percentage Change:	The " Percentage Change " is the amount, expressed as a percentage rounded to two decimal places, equal to: (Final Portfolio Value - Initial Portfolio Value) Initial Portfolio Value						
Observation Dates:	An " Observation Date " for the purposes of determining the amount of any Interest Payment will occur monthly on the dates specified below in each year that the Securities are outstanding, from and including March 21, 2023 to and including February 21, 2030. If any such Observation Date is not an Exchange Day, it shall be postponed to the next succeeding Exchange Day. Provided that the Securities are not redeemed by the Bank as described below, the Bank intends the Observation						
	Dates to be:						
	March 21, 2023	April 21, 2023	May 23, 2023	June 21, 2023			
	July 21, 2023	August 21, 2023	September 21, 2023	October 23, 2023			
	November 21, 2023	December 21, 2023	January 22, 2024	February 21, 2024			
	March 21, 2024	April 22, 2024	May 21, 2024	June 21, 2024			
	July 22, 2024	August 21, 2024	September 23, 2024	October 21, 2024			
	November 21, 2024	December 23, 2024	January 21, 2025	February 21, 2025			
	March 21, 2025	April 21, 2025	May 21, 2025	June 23, 2025			
	July 21, 2025	August 21, 2025	September 22, 2025	October 21, 2025			
	November 21, 2025	December 22, 2025	January 21, 2026	February 23, 2026			
	March 23, 2026	April 21, 2026	May 21, 2026	June 22, 2026			
	July 21, 2026	August 21, 2026	September 21, 2026	October 21, 2026			
	November 23, 2026	December 21, 2026	January 21, 2027	February 22, 2027			
	March 22, 2027	April 21, 2027	May 21, 2027	June 21, 2027			
	July 21, 2027	August 23, 2027	September 21, 2027	October 21, 2027			
	November 22, 2027	December 21, 2027	January 21, 2028	February 22, 2028			
	March 21, 2028	April 21, 2028	May 23, 2028	June 21, 2028			
	July 21, 2028	August 21, 2028	September 21, 2028	October 23, 2028			
	November 21, 2028	December 21, 2028	January 22, 2029	February 21, 2029			
	March 21, 2029	April 23, 2029	May 22, 2029	June 21, 2029			
		-	-				
	July 23, 2029August 21, 2029September 21, 2029October 22, 2029November 21, 2029December 21, 2029January 21, 2030February 21, 2030						

The "Interest Payment Date" for an Interest Payment, if any, will occur monthly on the dates specified below in each year that the Securities are outstanding, from and including March 24, 2023 to and including February 26, 2030.

Provided that the Securities are not redeemed by the Bank as described below, the Bank intends the Interest Payment Dates to be:

•			
March 24, 2023	April 26, 2023	May 26, 2023	June 26, 2023
July 26, 2023	August 24, 2023	September 26, 2023	October 26, 2023
November 24, 2023	December 28, 2023	January 25, 2024	February 26, 2024
March 26, 2024	April 25, 2024	May 24, 2024	June 26, 2024
July 25, 2024	August 26, 2024	September 26, 2024	October 24, 2024
November 26, 2024	December 30, 2024	January 24, 2025	February 26, 2025
March 26, 2025	April 24, 2025	May 26, 2025	June 26, 2025
July 24, 2025	August 26, 2025	September 25, 2025	October 24, 2025
November 26, 2025	December 29, 2025	January 26, 2026	February 26, 2026
March 26, 2026	April 24, 2026	May 26, 2026	June 25, 2026
July 24, 2026	August 26, 2026	September 24, 2026	October 26, 2026
November 26, 2026	December 24, 2026	January 26, 2027	February 25, 2027
March 25, 2027	April 26, 2027	May 27, 2027	June 24, 2027
July 26, 2027	August 26, 2027	September 24, 2027	October 26, 2027
November 25, 2027	December 24, 2027	January 26, 2028	February 25, 2028
March 24, 2028	April 26, 2028	May 26, 2028	June 26, 2028
July 26, 2028	August 24, 2028	September 26, 2028	October 26, 2028
November 24, 2028	December 28, 2028	January 25, 2029	February 26, 2029
March 26, 2029	April 26, 2029	May 25, 2029	June 26, 2029
July 26, 2029	August 24, 2029	September 26, 2029	October 25, 2029
November 26, 2029	December 28, 2029	January 24, 2030	February 26, 2030

Interest Payments:

Interest payments (the "Interest Payments" and each, an "Interest Payment"), if any, on the Securities will be payable on each Interest Payment Date, in arrears, at a fixed interest rate of 1.2083% monthly ending on an Interest Payment Date (an "Interest Period") for each Interest Period in which a Digital Payout Event occurs on the Observation Date occurring in the Interest Period. On the basis of the foregoing, the interest on each \$100 Principal Amount of Securities for an Interest Period in which a Digital Payout Event has occurred would equal \$100 × 1.2083%.

Thus, if a Digital Payout Event occurs:

(a) on each Observation Date in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$14.50;

(b) on eleven out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$13.2913;

(c) on ten out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$12.083;

(d) on nine out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$10.8747;

(e) on eight out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$9.6664;

(f) on seven out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$8.4581;

(g) on six out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$7.2498;

(h) on five out of the twelve Observation Dates in any twelve-month period, the amount of interest payable on each \$100 Principal Amount of Securities for that twelve-month period will be \$6.0415;

	(i) on four out of the twelve Observation Dates in each \$100 Principal Amount of Securities for that	any twelve-month period, the amount of interest payable on twelve-month period will be \$4.8332;				
	(j) on three out of the twelve Observation Dates in any twelve-month period, the amount of interest parents and \$100 Principal Amount of Securities for that twelve-month period will be \$3.6249;					
	(k) on two out of the twelve Observation Dates in each \$100 Principal Amount of Securities for that	any twelve-month period, the amount of interest payable on twelve-month period will be \$2.4166; and				
	(l) on one out of the twelve Observation Dates in each \$100 Principal Amount of Securities for that	any twelve-month period, the amount of interest payable on twelve-month period will be \$1.2083.				
	If a Digital Payout Event does not occur on the Ob will be payable on the Securities for such Interest	servation Date during a particular Interest Period, no interest Period.				
Digital Payout Event:	A "Digital Payout Event" will occur if, on the re or equal to the Coupon Barrier Value.	levant Observation Date, the Portfolio Value is greater than				
Autocall Redemption Event:	An "Autocall Redemption Event" will occur if the Portfolio Value on an Observation Date other than the first, second, third, fourth, fifth and last Observation Dates is greater than or equal to 110.00% of the Initial Portfolio Value (the "Autocall Redemption Value"). On the next succeeding Interest Payment Date following the occurrence of an Autocall Redemption Event (the "Autocall Redemption Date") the Securities will be redeemed for an amount equal to the Principal Amount thereof (the "Autocall Redemption Amount"). In addition to the Autocall Redemption Amount, an Interest Payment will be paid on the Autocall Redemption Date.					
Payment at Maturity:	On the Maturity Date, if the Securities have not been previously redeemed, the amount payable (the " Final Redemption Amount ") for each \$100 Principal Amount per Security will be equal to:					
	(a) if the Final Portfolio Value is greater than or equal to the Protection Barrier Value, \$100; or					
	(b) if the Final Portfolio Value is less than the Protection Barrier Value, an amount equal to:					
	\$100.00 + (\$100.00 × Percentage Change)					
	In addition to the Final Redemption Amount, an Interest Payment will be paid on the Maturity Date if a Digital Payout Event occurs on the Final Valuation Date. All dollar amounts will be rounded to the nearest whole cent. The minimum payment at maturity is \$1.00.					
Secondary Market:	RBC7868					
·	(Toronto time) on that Business Day (or such ot	redemption request will need to be initiated by 2:00 p.m. her time as may be established by Fundserv). Any request uest sent and received on the next following Business Day.				
Early Trading Charge Schedule:	If Sold Within the Following No. of Days from Issue Date	Early Trading Charge (% of Principal Amount)				
	1 - 60 days	3.50%				
	61 - 120 days	3.25%				
	121 - 180 days	3.00%				
	181 - 240 days	2.50%				
	241 - 300 days	1.75%				
	1 11 2000 augs	1.00%				
	301 - 360 days	1.00%				

SAMPLE CALCULATIONS OF FINAL REDEMPTION AMOUNT OR AUTOCALL REDEMPTION AMOUNT AND INTEREST PAYMENTS

The examples set out below are included for illustration purposes only. The Portfolio Values used to illustrate the calculation of the Final Redemption Amount or Autocall Redemption Amount and the Interest Payments over the term of the Securities are not estimates or forecasts of the Portfolio Values on which the Percentage Change, and in turn the Final Redemption Amount, Autocall Redemption Amount and Interest Payments, if any, will depend.

Hypothetical Calculation of the Initial Portfolio Value:

It is assumed that the aggregate Principal Amount of Securities issued under this offering is \$15,000,000.00 and the (hypothetical) closing prices of the Underlying Securities comprising the Portfolio on the Initial Valuation Date are as illustrated in the table below:

Entity Name	Symbol	Closing Price (\$)	Underlying Security Value in Portfolio (\$)	Portfolio Weight	Number of Underlying Securities
Canadian Natural Resources Limited	CNQ	79.33	5,000,000.00	33.333%	63,027.85831
Cenovus Energy Inc.	CVE	26.09	5,000,000.00	33.333%	191,644.30816
Suncor Energy Inc.	SU	44.91	5,000,000.00	33.333%	111,333.77867

Based on those assumptions, the Initial Portfolio Value would be the sum of the Underlying Security values, which is \$15,000,000.00.

Hypothetical Calculation of the Final Portfolio Value:

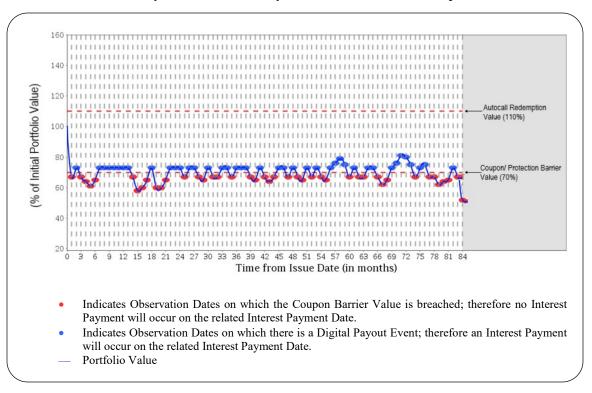
For illustration purposes, it is assumed that no Extraordinary Event has occurred and that the (hypothetical) closing prices of the Underlying Securities comprising the Portfolio on the Final Valuation Date are as illustrated in the table below. For the purposes of the following table, certain dollar values have been rounded to two decimal places.

Entity Name	Symbol	Closing Price (\$)	Number of Underlying Securities	Underlying Security Value in Portfolio (\$)
Canadian Natural Resources Limited	CNQ	97.18	63,027.85831	6,125,047.27
Cenovus Energy Inc.	CVE	31.96	191,644.30816	6,124,952.09
Suncor Energy Inc.	SU	55.01	111,333.77867	6,124,471.16

Based on those assumptions, the Final Portfolio Value would be the sum of the Underlying Security values, which is \$18,374,470.52.

All examples below assume that a holder of the Securities has purchased Securities with an aggregate principal amount of \$100.00, that no Extraordinary Event has occurred, an Autocall Redemption Value of 110.00% of the Initial Portfolio Value, a Coupon Barrier Value of 70.00% of the Initial Portfolio Value and a Protection Barrier Value of 70.00% of the Initial Portfolio Value. For convenience, each vertical line in the charts below represents both a hypothetical Observation Date and the next succeeding Interest Payment Date. All dollar amounts are rounded to the nearest whole cent.

Example #1: Loss Scenario with Payment on the Maturity Date at Less Than the Principal Amount



In this scenario, there is no Observation Date on which the Portfolio Value is at or above the Autocall Redemption Value and, accordingly, the Securities would not be redeemed before the Maturity Date. On the Final Valuation Date, the Final Portfolio Value is below the Protection Barrier Value.

(i) Interest Payments

In this example, there is a Digital Payout Event on 41 of the 84 Observation Dates. On the other 43 Observation Dates, no Digital Payout Event would occur because the Portfolio Value is below the Coupon Barrier Value. Therefore, the Interest Payment of \$1.2083 per Interest Period would be payable for 41 Interest Periods on the applicable Interest Payment Date, for total Interest Payments of:

Principal Amount of Securities × 1.2083% per Interest Period × 41 Interest Periods

$$100 \times 1.2083\% \times 41 = 49.54$$

(ii) Final Redemption Amount

In this example, the Initial Portfolio Value (Xi) is \$15,000,000.00 and the Final Portfolio Value (Xf) is \$7,500,000.00. Therefore, the Final Redemption Amount would be calculated as follows:

Initial Portfolio Value = \$15,000,000.00

Final Portfolio Value = \$7,500,000.00

Percentage Change = (\$7,500,000.00 - \$15,000,000.00) / \$15,000,000.00 = -0.5000 or -50.00%

Since the Final Portfolio Value is below the Protection Barrier Value, the Final Redemption Amount is calculated as follows:

Final Redemption Amount = $100.00 + (100.00 \times -50.00\%) = 50.00$

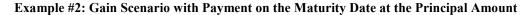
Therefore, the total amounts payable per Security from the Issue Date to the Maturity Date are:

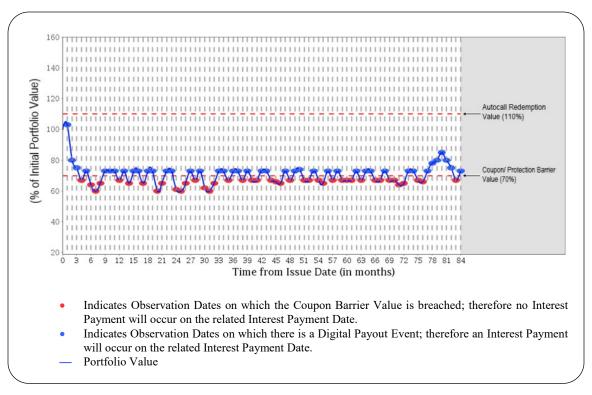
(a) Total Interest Payments: \$49.54

(b) Final Redemption Amount: \$50.00

(c) Total amount paid over the term of the Securities: \$99.54

The equivalent annually compounded rate of return in this example is -0.07%.





In this scenario, there is no Observation Date on which the Portfolio Value is at or above the Autocall Redemption Value and, accordingly, the Securities would not be redeemed before the Maturity Date. On the Final Valuation Date, the Final Portfolio Value is at or above the Protection Barrier Value.

(i) Interest Payments

In this example, there is a Digital Payout Event on 42 of the 84 Observation Dates. On the other 42 Observation Dates, no Digital Payout Event would occur because the Portfolio Value is below the Coupon Barrier Value. Therefore, the Interest Payment of \$1.2083 per Interest Period would be payable for 42 Interest Periods on the applicable Interest Payment Date for total Interest Payments of:

Principal Amount of Securities × 1.2083% per Interest Period × 42 Interest Periods

$$100 \times 1.2083\% \times 42 = 50.75$$

(ii) Final Redemption Amount

In this example, since the Final Portfolio Value is \$11,250,000.00, which is above its Protection Barrier Value of 70.00% of the Initial Portfolio Value of \$15,000,000.00, the Final Redemption Amount per Security is equal to \$100.00.

Therefore, the total amounts payable per Security from the Issue Date to the Maturity Date are:

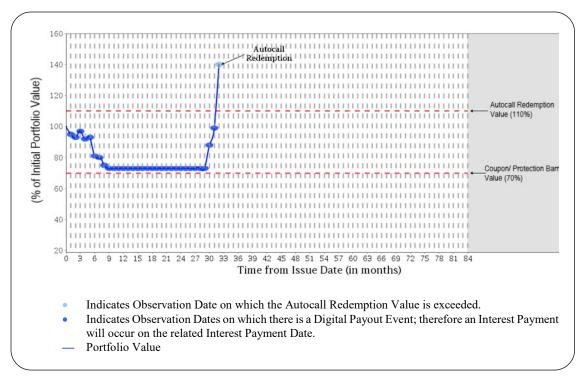
(a) Total Interest Payments: \$50.75

(b) Final Redemption Amount: \$100.00

(c) Total amount paid over the term of the Securities: \$150.75

The equivalent annually compounded rate of return in this example is 6.04%.

Example #3: Gain Scenario with Autocall Redemption Event



In this scenario, the Portfolio Value is at or above the Autocall Redemption Value on the Observation Date that falls 32 months into the term of the Securities. This would constitute an Autocall Redemption Event and, on the next succeeding Interest Payment Date, the Bank would redeem the Securities.

(i) Interest Payments

In this example, there is a Digital Payout Event on each of the 32 Observation Dates prior to the redemption of the Securities because the Portfolio Value is at or above the Coupon Barrier Value on each such date. Therefore, the Interest Payment of \$1.2083 per Interest Period would be payable for each Interest Period on the applicable Interest Payment Date (including on the Autocall Redemption Date), for total Interest Payments of:

Principal Amount of Securities × 1.2083% per Interest Period × 32 Interest Periods

 $100 \times 1.2083\% \times 32 = 38.67$

(ii) Autocall Redemption Amount

The Autocall Redemption Amount per Security is equal to \$100.00.

Therefore, the total amounts payable per Security from the Issue Date to the Autocall Redemption Date are:

(a) Total Interest Payments: \$38.67

(b) Autocall Redemption Amount: \$100.00

(c) Total amount paid over the term of the Securities: \$138.67

The equivalent annually compounded rate of return in this example is 13.04%.

The initial estimated value of the Securities as of February 7, 2023 was \$95.50 per Security, which is less than the price to the public and is not an indication of the actual profit to the Bank or its affiliates. The actual value of the Securities at any time will reflect many factors, cannot be predicted with accuracy, and may be less than this amount. The initial estimated value of the Securities is an estimate only and is based on the value of the Bank's obligation to make the payments on the Securities. We describe our determination of the initial estimated value in more detail in the Pricing Supplement.

All capitalized terms unless otherwise defined have the meanings ascribed to them in the Pricing Supplement.

Clients should evaluate the financial, market, legal, regulatory, credit, tax and accounting risks and consequences of the proposal before entering into any transaction, or purchasing any instrument. Clients should evaluate such risks and consequences independently of Royal Bank of Canada and the Dealers, RBC Dominion Securities Inc. and Raymond James Ltd., respectively.

The Securities will not constitute deposits insured under the *Canada Deposit Insurance Corporation Act*. The Securities are not fixed income securities and are not designed to be alternatives to fixed income or money market instruments. The Securities are structured products that possess downside risk.

An investment in the Securities involves risks. An investment in the Securities is not the same as a direct investment in the securities that comprise the Portfolio and investors have no rights with respect to the securities in the Portfolio. The Securities are considered to be "specified derivatives" under applicable Canadian securities laws. If you purchase Securities, you will be exposed to fluctuations in interest rates and changes in the Portfolio Value, among other factors. Price changes may be volatile and an investment in the Securities may be considered to be speculative. Since the Securities are not principal protected and the Principal Amount will be at risk, you could lose substantially all of your investment.

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