

ROYAL BANK OF CANADA
Form 424B2
December 31, 2018

RBC Capital Markets® Filed Pursuant to Rule 424(b)(2)
Registration Statement No. 333-227001

Pricing Supplement
Dated December 27,
2018

To the Product \$129,000
Prospectus Supplement Barrier Booster Notes Linked to the Lesser Performing
ERN-EI-1, Prospectus of Two Equity Indices, Due January 2, 2025
Supplement, and Royal Bank of Canada
Prospectus Each Dated
September 7, 2018

Royal Bank of Canada is offering Barrier Booster Notes Linked to the Lesser Performing of Two Equity Indices (the “Notes”) linked to the lesser performing of two equity indices (each, a “Reference Asset” and collectively, the “Reference Assets”). The Notes offered are senior unsecured obligations of Royal Bank of Canada and will have the terms described in the documents described above, as supplemented or modified by this pricing supplement.

Reference Assets	Initial Levels	Barrier Levels*
Dow Jones Industrial Average™ (“INDU”)	138.82	16,197.17 which is 70% of its Initial Level
Russell 2000® Index (“RTY”)	1,331.817	932.272, which is 70% of its Initial Level

* Rounded to two decimal places in the case of the INDU and three decimal places in the case of the RTY.

The Notes do not guarantee any return of principal at maturity. Any payments on the Notes are subject to our credit risk.

Investing in the Notes involves a number of risks. See “Additional Risk Factors Specific to the Notes” beginning on page PS-4 of the product prospectus supplement dated September 7, 2018, on page S-1 of the prospectus supplement dated September 7, 2018, and “Selected Risk Considerations” beginning on page P-6 of this pricing supplement.

The Notes will not constitute deposits insured by the Canada Deposit Insurance Corporation, the U.S. Federal Deposit Insurance Corporation or any other Canadian or U.S. government agency or instrumentality. The Notes are not subject to conversion into our common shares under subsection 39.2(2.3) of the Canada Deposit Insurance Corporation Act. Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the Notes or determined that this pricing supplement is truthful or complete. Any representation to the contrary is a criminal offense.

Issuer:	Royal Bank of Canada	Stock Exchange Listing:	None
Trade Date:	December 27, 2018	Principal Amount:	\$1,000 per Note
Issue Date:	December 31, 2018	Maturity Date:	January 2, 2025
Valuation Date:	December 27, 2024	Booster Coupon	65%
Initial Level:	For each Reference Asset, its closing level on the Trade Date.		
Final Level:	For each Reference Asset, its closing level on the Valuation Date.		

Payment at Maturity: If the Final Level of the Lesser Performing Index is greater than or equal to its Initial Level but its Percentage Change does not exceed the Booster Coupon of 65%, the Notes provide a fixed return equal to the Principal Amount plus the Booster Coupon. If the Final Level of the Lesser Performing Index is greater than its Initial Level and its Percentage Change exceeds the Booster Coupon, the Notes provide a one-for-one positive return based upon the increase in the level of that Reference Asset. If the Final Level of the Lesser Performing Index is less than its Barrier Level (70.00% of its Initial Level), you will receive an amount at maturity that is proportionate to the decrease in that Reference Asset over the term of the Notes, and you may lose up to 100% of your initial investment.

Lesser Performing Index: The Reference Asset which has the lowest Percentage Change.

Interest Payments: None.

CUSIP: 78013XTQ1

	Per Note	Total
Price to public ⁽¹⁾	100.00%	\$129,000
Underwriting discounts and commissions ⁽¹⁾	3.25%	\$4,192.50
Proceeds to Royal Bank of Canada	96.75%	\$124,807.50

⁽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 \$967.50 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 \$899.72 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 \$32.50 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 \$32.50 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.

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SUMMARY

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.

General: This pricing supplement relates to an offering of Barrier Booster Notes Linked to the Lesser Performing of Two Equity Indices (the “Notes”) linked to the lesser performing of two equity indices (the “Reference Assets”).

Issuer: Royal Bank of Canada (“Royal Bank”)

Issue: Senior Global Medium-Term Notes, Series H

Trade Date (Pricing Date): December 27, 2018

Issue Date: December 31, 2018

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

Designated Currency: U.S. Dollars

Valuation Date: December 27, 2024

Maturity Date: January 2, 2025

Initial Level: For each Reference Asset, its closing level on the Trade Date, as specified on the cover page.

Final Level: For each Reference Asset, its closing level on the Valuation Date.

Barrier Level: For each Reference Asset, 70.00% of its Initial Level, as specified on the cover page.

Barrier Percentage: 30%

Booster Coupon: 65%

If, on the Valuation Date, the Percentage Change of the Lesser Performing Reference Asset is zero or positive, but does not exceed the Booster Coupon, then the investor will receive an amount equal to the principal amount plus the Booster Coupon. If, on the Valuation Date, the Percentage Change of the Lesser Performing Reference Asset is greater than the Booster Coupon, then the investor will receive an amount equal to:

Principal Amount + (Principal Amount x Percentage Change of Lesser Performing Asset)

Payment at Maturity: If, on the Valuation Date, the Percentage Change of the Lesser Performing Asset is less than 0%, but has not decreased by more than the Barrier Percentage (that is, the Percentage Change is between -0.01% and -30.00%), then the investor will receive the principal amount only.

If, on the Valuation Date, the Percentage Change of the Lesser Performing Asset is negative, and has decreased by more than the Barrier Percentage (that is, the Percentage Change is between -30.01% and -100%), then the investor will receive a cash payment equal to:

Principal Amount + (Principal Amount x Percentage Change of Lesser Performing Reference Asset)

In this case, you will lose all or a portion of the principal amount of the Notes.

Percentage Change: With respect to each Reference Asset:
Final Level – Initial Level

Initial Level

Lesser

Performing The Reference Asset which has the lowest Percentage Change.

Index:

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Market Disruption Events: Calculation Agent:	If a market disruption event occurs on the Valuation Date as to a Reference Asset, the determination of the Final Level of that Reference Asset will be postponed. However, the determination of the Final Level of any Reference Asset that is not affected by that market disruption event will not be postponed. 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 Note as a pre-paid cash-settled derivative contract in respect of the Reference Assets for U.S. federal income tax purposes. However, the U.S. federal income tax consequences of your investment in the Notes are uncertain and the Internal Revenue Service could assert that the Notes should be taxed in a manner that is different from that described in the preceding sentence. Please see the 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 September 7, 2018 under “Supplemental Discussion of U.S. Federal Income Tax Consequences,” which apply to the Notes.
U.S. Tax Treatment:	RBCCM (or one of its affiliates), though not obligated to do so, may maintain a secondary market in the 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.
Secondary Market:	The Notes will not be listed on any securities exchange.
Listing:	DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg as described under “Description of Debt Securities—Ownership and Book-Entry Issuance” in the prospectus dated September 7, 2018).
Settlement:	
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 September 7, 2018, as modified by this pricing supplement.

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ADDITIONAL TERMS OF YOUR NOTES

You should read this pricing supplement together with the prospectus dated September 7, 2018, as supplemented by the prospectus supplement dated September 7, 2018 and the product prospectus supplement dated September 7, 2018, relating to our Senior Global Medium-Term Notes, Series H, 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 September 7, 2018 and “Additional Risk Factors Specific to the Notes” in the product prospectus supplement dated September 7, 2018, 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, by reviewing our filings for the relevant date on the SEC website):

Prospectus dated September 7, 2018:

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

Prospectus Supplement dated September 7, 2018:

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

Product Prospectus Supplement ERN-EI-1 dated September 7, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000114036118038044/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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HYPOTHETICAL EXAMPLES

The examples set out below are included for illustration purposes only. The hypothetical Percentage Changes of the Lesser Performing Reference Asset used to illustrate the calculation of the Payment at Maturity (rounded to two decimal places) are not estimates or forecasts of its Final Level or the level of either Reference Asset on any trading day prior to the Maturity Date. All examples are based on the Barrier Percentage of 30.00% (the Barrier Level of each Reference Asset is 70.00% of its Initial Level), the Booster Coupon of 65% and assume that a holder purchased Notes with an aggregate principal amount of \$1,000, and that no market disruption event occurs on the Valuation Date as to either Reference Asset.

Example 1 Calculation of the Payment at Maturity where the Percentage Change of the Lesser Performing Reference Asset is positive, but less than the Booster Coupon.
Percentage Change: 10%, which is less than the Booster Coupon
Payment at Maturity: $\$1,000 + (\$1,000 \times 65.00\%) = \$1,000 + \$650.00 = \$1,650.00$
On a \$1,000 investment, a 10% Percentage Change for the Lesser Performing Reference Asset results in a Payment at Maturity of \$1,650.00, a 65.00% return on the Notes.

Example 2 Calculation of the Payment at Maturity where the Percentage Change of the Lesser Performing Reference Asset is positive and exceeds the Booster Coupon.
Percentage Change: 85%
Payment at Maturity: $\$1,000 + (\$1,000 \times 85\%) = \$1,000 + \$850 = \$1,850$
On a \$1,000 investment, a 85% Percentage Change in the Lesser Performing Reference Asset results in a Payment at Maturity of \$1,850, an 85% return on the Notes.

Example 3 Calculation of the Payment at Maturity where the Percentage Change of the Lesser Performing Reference Asset is negative (but not by more than the Barrier Percentage).
Percentage Change: -10%
Payment at Maturity: At maturity, if the Percentage Change of the Lesser Performing Reference Asset is negative BUT not by more than the Barrier Percentage, then the Payment at Maturity will equal the principal amount.
On a \$1,000 investment, a -10% Percentage Change results in a Payment at Maturity of \$1,000, a 0% return on the Notes.

Example 4 Calculation of the Payment at Maturity where the Percentage Change of the Lesser Performing Reference Asset is negative (by more than the Barrier Percentage).
Percentage Change: -35%
Payment at Maturity: $\$1,000 + (\$1,000 \times -35\%) = \$1,000 - \$350.00 = \$650.00$
On a \$1,000 investment, a -35% Percentage Change in the Lesser Performing Reference Asset results in a Payment at Maturity of \$650.00, a -35% return on the Notes.

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SELECTED RISK CONSIDERATIONS

An investment in the Notes involves significant risks. Investing in the Notes is not equivalent to investing directly in the Reference Assets. These risks are explained in more detail in the section “Additional Risk Factors Specific to the Notes” 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 level of the Lesser Performing Index between the Trade Date and the Valuation Date of more than 30%. You will lose one percent of the principal amount of your Notes for each one percent that the Lesser Performing Index has declined if the Final Level of the Lesser Performing Index is less than its Barrier Level.

Your Redemption Amount Will Be Determined Solely by Reference to the Lesser Performing Index Even if the Other Reference Asset Performs Better — Your Redemption Amount will be determined solely by reference to the performance of the Lesser Performing Index. Even if the Final Level of the other Reference Asset has increased compared to its Initial Level, or has experienced a decrease that is less than that of the Lesser Performing Index, your return will only be determined by reference to the performance of the Lesser Performing Index, regardless of the performance of the other Reference Asset. 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 Assets would not be combined, and the depreciation of one Reference Asset would not be mitigated by any appreciation of the other Reference Asset. Instead your return will depend solely on the Final Level of the Lesser Performing Index. Because each Reference Asset tracks a different segment of the U.S. equities market, they may both decrease in a comparable manner.

Your Return May Be Lower than the Return on a Conventional Debt Security of Comparable Maturity — You will not receive any interest payments on the Notes as there would be on a conventional fixed-rate or floating-rate debt security having the same 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. 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 the Redemption Amount is dependent upon Royal Bank’s ability to repay its obligations at that time. This will be the case even if the levels of the Reference Assets increase after the Trade Date. No assurance can be given as to what our financial condition will be at the maturity 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.

Owning the Notes Is Not the Same as Owning the Securities Represented by the Reference Assets — The return on your Notes is unlikely to reflect the return you would realize if you actually owned the securities represented by the Reference Assets. For instance, you will not receive or be entitled to receive any dividend payments or other distributions on those 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 the Reference Assets may have.

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 levels of the Reference Assets, 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

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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.

Inconsistent Research — Royal Bank or its affiliates may issue research reports on securities that are, or may become, components of the Reference Assets. We may also publish research from time to time on financial markets and other matters that may influence the levels of the Reference Assets or the value of the Notes, or express opinions or provide recommendations that may be inconsistent with purchasing or holding the Notes or with the investment view implicit in the Notes or the Reference Assets. You should make your own independent investigation of the merits of investing in the Notes and the Reference Assets.

An Investment in the Notes Is Subject to Risks Associated in Investing in Stocks With a Small Market Capitalization — The RTY consists of stocks issued by companies with relatively small market capitalizations. These companies often have greater stock price volatility, lower trading volume and less liquidity than large-capitalization companies. As a result, the level of the RTY may be more volatile than that of a market measure that does not track solely small-capitalization stocks. Stock prices of small-capitalization companies are also generally more vulnerable than those of large-capitalization companies to adverse business and economic developments, and the stocks of small-capitalization companies may be thinly traded, and be less attractive to many investors if they do not pay dividends. In addition, small capitalization companies are often less well-established and less stable financially than large-capitalization companies and may depend on a small number of key personnel, making them more vulnerable to loss of those individuals. Small capitalization companies tend to have lower revenues, less diverse product lines, smaller shares of their target markets, fewer financial resources and fewer competitive strengths than large-capitalization companies. These companies may also be more susceptible to adverse developments related to their products or services.

Market Disruption Events and Adjustments — The Redemption Amount and the Valuation Date are subject to adjustment as to each Reference Asset 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.

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INFORMATION REGARDING THE REFERENCE ASSETS

All disclosures contained in this pricing supplement regarding the Reference Assets, including, without limitation, their make-up, method of calculation, and changes in their components, have been derived from publicly available sources. The information reflects the policies of, and is subject to change by the applicable index sponsor. Each of these sponsors has no obligation to continue to publish, and may discontinue publication of, the applicable Reference Asset. The consequences of an index sponsor discontinuing publication of a Reference Asset are discussed in the section of the product prospectus supplement entitled “General Terms of the Notes— Unavailability of the Level of the Reference Asset.” Neither we nor RBCCM accepts any responsibility for the calculation, maintenance or publication of either Reference Asset or any successor index.

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

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Dow Jones Industrial Average™ (“INDU”)

The INDU is a price-weighted index, which means an underlying stock’s weight in the INDU is based on its price per share rather than the total market capitalization of the issuer. The INDU is designed to provide an indication of the composite performance of 30 common stocks of corporations representing a broad cross-section of U.S. industry. The corporations represented in the INDU tend to be market leaders in their respective industries and their stocks are typically widely held by individuals and institutional investors.

The INDU is maintained by an Averages Committee comprised of the Managing Editor of The Wall Street Journal (“WSJ”), the head of Dow Jones Indexes research and the head of CME Group Inc. research. The Averages Committee was created in March 2010, when Dow Jones Indexes became part of CME Group Index Services, LLC, a joint venture company owned 90% by CME Group Inc. and 10% by Dow Jones & Company. Generally, composition changes occur only after mergers, corporate acquisitions or other dramatic shifts in a component's core business. When such an event necessitates that one component be replaced, the entire INDU is reviewed. As a result, when changes are made they typically involve more than one component. While there are no rules for component selection, a stock typically is added only if it has an excellent reputation, demonstrates sustained growth, is of interest to a large number of investors and accurately represents the sector(s) covered by the average.

Changes in the composition of the INDU are made entirely by the Averages Committee without consultation with the corporations represented in the INDU, any stock exchange, any official agency or us. Unlike most other indices, which are reconstituted according to a fixed review schedule, constituents of the INDU are reviewed on an as-needed basis. Changes to the common stocks included in the INDU tend to be made infrequently, and the underlying stocks of the INDU may be changed at any time for any reason. The companies currently represented in the INDU are incorporated in the United States and its territories and their stocks are listed on the New York Stock Exchange and NASDAQ.

The INDU initially consisted of 12 common stocks and was first published in the WSJ in 1896. The INDU was increased to include 20 common stocks in 1916 and to 30 common stocks in 1928. The number of common stocks in the INDU has remained at 30 since 1928, and, in an effort to maintain continuity, the constituent corporations represented in the INDU have been changed on a relatively infrequent basis.

Computation of the INDU

The level of the INDU is the sum of the primary exchange prices of each of the 30 component stocks included in the INDU, divided by a divisor that is designed to provide a meaningful continuity in the level of the INDU. Because the INDU is price-weighted, stock splits or changes in the component stocks could result in distortions in the index level. In order to prevent these distortions related to extrinsic factors, the divisor is periodically changed in accordance with a mathematical formula that reflects adjusted proportions within the INDU. The current divisor of the INDU is published daily in the WSJ and other publications. In addition, other statistics based on the INDU may be found in a variety of publicly available sources.

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License Agreement

S&P® is a registered trademark of Standard & Poor's Financial Services LLC ("S&P") and Dow Jones is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"). These trademarks have been licensed for use by S&P Dow Jones Indices LLC. "DJIA®" is a trademark of Dow Jones. The trademark has been sublicensed for certain purposes by us. The INDU is a product of S&P Dow Jones Indices LLC and/or its affiliates and has been licensed for use by us.

The Notes are not sponsored, endorsed, sold or promoted by S&P Dow Jones Indices LLC, Dow Jones, S&P or any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices make no representation or warranty, express or implied, to the holders of the Notes or any member of the public regarding the advisability of investing in securities generally or in the Notes particularly or the ability of the INDU to track general market performance. S&P Dow Jones Indices' only relationship to us with respect to the INDU is the licensing of the INDU and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its third party licensors. The INDU is determined, composed and calculated by S&P Dow Jones Indices without regard to us or the Notes. S&P Dow Jones Indices have no obligation to take our needs or the needs of us or holders of the Notes into consideration in determining, composing or calculating the INDU. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of the Notes or the timing of the issuance or sale of the Notes or in the determination or calculation of the equation by which the Notes are to be converted into cash. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of the Notes. There is no assurance that investment products based on the INDU will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC and its subsidiaries are not investment advisors. Inclusion of a security or futures contract within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security or futures contract, nor is it considered to be investment advice. Notwithstanding the foregoing, CME Group Inc. and its affiliates may independently issue and/or sponsor financial products unrelated to the Notes currently being issued by us, but which may be similar to and competitive with the Notes. In addition, CME Group Inc. and its affiliates may trade financial products which are linked to the performance of the INDU. It is possible that this trading activity will affect the value of the Notes.

S&P DOW JONES INDICES DO NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDU OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY US, HOLDERS OF THE NOTES, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDU OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND US, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

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Historical Information

The graph below sets forth the information relating to the historical performance of the INDU. The information provided in this graph is for the period from January 1, 2008 through December 27, 2018.

We obtained the information regarding the historical performance of the INDU in the chart 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 INDU should not be taken as an indication of its future performance, and no assurance can be given as to the Final Level of the INDU. We cannot give you assurance that the performance of the INDU will result in any positive return on your initial investment.

Dow Jones Industrial Average™ (“INDU”)

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