

CITIGROUP INC
Form 424B2
December 27, 2018

December 21, 2018

Medium-Term Senior Notes, Series N

Citigroup Global Markets Holdings Inc. **Pricing Supplement No. 2018-USNCH1737**

Filed Pursuant to Rule 424(b)(2)

Registration Statement Nos. 333-216372 and 333-216372-01

Buffer Securities Linked to the iShares[®] MSCI Emerging Markets ETF Due December 27, 2022

The securities offered by this pricing supplement are unsecured debt securities issued by Citigroup Global Markets Holdings Inc. and guaranteed by Citigroup Inc. Unlike conventional debt securities, the securities do not pay interest and do not repay a fixed amount of principal at maturity. Instead, the securities offer a payment at maturity that may be greater than, equal to or less than the stated principal amount, depending on the performance of the underlying specified below from the initial underlying value to the final underlying value.

The securities offer modified exposure to the performance of the underlying, with (i) the opportunity to participate in a limited range of potential appreciation of the underlying at the upside participation rate specified below and (ii) a limited buffer against any depreciation of the underlying as described below. In exchange for these features, investors in the securities must be willing to forgo any appreciation of the underlying in excess of the maximum return at maturity specified below and must be willing to forgo any dividends with respect to the underlying. In addition, investors in the securities must be willing to accept downside exposure to any depreciation of the underlying in excess of the buffer percentage specified below. **If the underlying depreciates by more than the buffer percentage from the initial underlying value to the final underlying value, you will lose 1% of the stated principal amount of your securities for every 1% by which that depreciation exceeds the buffer percentage.**

In order to obtain the modified exposure to the underlying that the securities provide, investors must be willing to accept (i) an investment that may have limited or no liquidity and (ii) the risk of not receiving any amount due under the securities if we and Citigroup Inc. default on our obligations. **All payments on the securities are subject to the credit risk of Citigroup Global Markets Holdings Inc. and Citigroup Inc.**

KEY TERMS

Issuer:	Citigroup Global Markets Holdings Inc., a wholly owned subsidiary of Citigroup Inc.
Guarantee:	All payments due on the securities are fully and unconditionally guaranteed by Citigroup Inc.
Underlying:	The iShares [®] MSCI Emerging Markets ETF
Stated principal amount:	\$1,000 per security
Pricing date:	December 21, 2018
Issue date:	December 31, 2018
Valuation date:	December 21, 2022, subject to postponement if such date is not a scheduled trading day or certain market disruption events occur
Maturity date:	December 27, 2022
Payment at maturity:	You will receive at maturity for each security you then hold:

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If the final underlying value is **greater than** the initial underlying value:

\$1,000 + the return amount, subject to the maximum return at maturity

§

If the final underlying value is **less than or equal to** the initial underlying value but **greater than or equal to** the final buffer value:

\$1,000

§

If the final underlying value is **less than** the final buffer value:

$\$1,000 + [\$1,000 \times (\text{the underlying return} + \text{the buffer percentage})]$

If the final underlying value is less than the final buffer value, you will receive less, and possibly significantly less, than the stated principal amount of your securities at maturity.

Initial underlying value:

\$38.52, the closing value of the underlying on the pricing date

Final underlying value:

The closing value of the underlying on the valuation date

Return amount:

$\$1,000 \times \text{the underlying return} \times \text{the upside participation rate}$

Upside participation rate:

125%

Underlying return:

(i) The final underlying value *minus* the initial underlying value, *divided by* (ii) the initial underlying value

Maximum return at maturity:

\$580 per security (58% of the stated principal amount). The payment at maturity per security will not exceed the stated principal amount *plus* the maximum return at maturity.

Final buffer value:

\$30.816, 80% of the initial underlying value

Buffer percentage:

20%

Listing:

The securities will not be listed on any securities exchange

CUSIP / ISIN:

17326Y4N3 / US17326Y4N34

Underwriter:

Citigroup Global Markets Inc. ("CGMI"), an affiliate of the issuer, acting as principal

Underwriting fee and issue price: Issue price⁽¹⁾ Underwriting fee⁽²⁾ Proceeds to issuer

Per security:

\$1,000.00 — \$1,000.00

Total:

\$192,000 — \$192,000

(1) On the date of this pricing supplement, the estimated value of the securities is \$971.10 per security, which is less than the issue price. The estimated value of the securities is based on CGMI's proprietary pricing models and our internal funding rate. It is not an indication of actual profit to CGMI or other of our affiliates, nor is it an indication of the price, if any, at which CGMI or any other person may be willing to buy the securities from you at any time after issuance. See "Valuation of the Securities" in this pricing supplement.

(2) CGMI will pay selected dealers a structuring fee of up to \$4 for each security sold in this offering. For more information on the distribution of the securities, see "Supplemental Plan of Distribution" in this pricing supplement. CGMI and its affiliates may profit from hedging activity related to this offering, even if the value of the securities declines. See "Use of Proceeds and Hedging" in the accompanying prospectus.

Investing in the securities involves risks not associated with an investment in conventional debt securities. See "Summary Risk Factors" beginning on page PS-4.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the securities or determined that this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus are truthful or complete. Any representation to the contrary is a criminal offense.

You should read this pricing supplement together with the accompanying product supplement, underlying supplement, prospectus supplement and prospectus, which can be accessed via the hyperlinks below:

Product Supplement No. EA-02-07 dated June 15, 2018 **Underlying Supplement No. 7 dated July 16, 2018**
Prospectus Supplement and Prospectus each dated April 7, 2017

The securities are not bank deposits and are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, nor are they obligations of, or guaranteed by, a bank.

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Additional Information

General. The terms of the securities are set forth in the accompanying product supplement, prospectus supplement and prospectus, as supplemented by this pricing supplement. The accompanying product supplement, prospectus supplement and prospectus contain important disclosures that are not repeated in this pricing supplement. For example, the accompanying product supplement contains important information about how the closing value of the underlying will be determined and about adjustments that may be made to the terms of the securities upon the occurrence of market disruption events and other specified events with respect to the underlying. The accompanying underlying supplement contains information about the underlying that is not repeated in this pricing supplement. It is important that you read the accompanying product supplement, underlying supplement, prospectus supplement and prospectus together with this pricing supplement in deciding whether to invest in the securities. Certain terms used but not defined in this pricing supplement are defined in the accompanying product supplement.

Closing Value. The “closing value” of the underlying on any date is the closing price of its underlying shares on such date, as provided in the accompanying product supplement. The “underlying shares” of the underlying are its shares that are traded on a U.S. national securities exchange. Please see the accompanying product supplement for more information.

Payout Diagram

The diagram below illustrates your payment at maturity for a range of hypothetical underlying returns.

Investors in the securities will not receive any dividends with respect to the underlying. The diagram and examples below do not show any effect of lost dividend yield over the term of the securities. See “Summary Risk Factors—You will not receive dividends or have any other rights with respect to the underlying” below.

Payout Diagram

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Hypothetical Examples

The examples below illustrate how to determine the payment at maturity on the securities, assuming the various hypothetical final underlying values indicated below. The examples are solely for illustrative purposes, do not show all possible outcomes and are not a prediction of what the actual payment at maturity on the securities will be. The actual payment at maturity will depend on the actual final underlying value.

The examples below are based on the following hypothetical values and do not reflect the actual initial underlying value or final buffer value. For the actual initial underlying value and final buffer value, see the cover page of this pricing supplement. We have used these hypothetical values, rather than the actual values, to simplify the calculations and aid understanding of how the securities work. However, you should understand that the actual payment at maturity on the securities will be calculated based on the actual initial underlying value and final buffer value, and not the hypothetical values indicated below.

Hypothetical initial underlying value: \$100

Hypothetical final buffer value: \$80 (80% of the hypothetical initial underlying value)

Example 1—Upside Scenario A. The final underlying value is \$105, resulting in a 5% underlying return. In this example, the final underlying value is **greater than** the initial underlying value.

$$\begin{aligned}
 &\text{Payment at maturity per security} = \$1,000 + \text{the return amount, subject to the maximum return at maturity} \\
 &= \$1,000 + (\$1,000 \times \text{the underlying return} \times \text{the upside participation rate}), \text{ subject to the maximum return at maturity} \\
 &= \$1,000 + (\$1,000 \times 5\% \times 125\%), \text{ subject to the maximum return at maturity} \\
 &= \$1,000 + \$62.50, \text{ subject to the maximum return at maturity} \\
 &= \$1,062.50
 \end{aligned}$$

In this scenario, the underlying has appreciated from the initial underlying value to the final underlying value, and your total return at maturity would equal the underlying return *multiplied by* the upside participation rate.

Example 2—Upside Scenario B. The final underlying value is \$175, resulting in a 75% underlying return. In this example, the final underlying value is **greater than** the initial underlying value.

$$\begin{aligned}
 &\text{Payment at maturity per security} = \$1,000 + \text{the return amount, subject to the maximum return at maturity} \\
 &= \$1,000 + (\$1,000 \times \text{the underlying return} \times \text{the upside participation rate}), \text{ subject to the maximum return at maturity} \\
 &= \$1,000 + (\$1,000 \times 75\% \times 125\%), \text{ subject to the maximum return at maturity} \\
 &= \$1,000 + \$937.50, \text{ subject to the maximum return at maturity} \\
 &= \$1,580
 \end{aligned}$$

In this scenario, the underlying has appreciated from the initial underlying value to the final underlying value, but the underlying return *multiplied* by the upside participation rate would exceed the maximum return at maturity. As a result, your total return at maturity in this scenario would be limited to the maximum return at maturity, and an investment in the securities would underperform a hypothetical alternative investment providing 1-to-1 exposure to the appreciation of the underlying without a maximum return.

Example 3—Par Scenario. The final underlying value is \$95, resulting in a -5% underlying return. In this example, the final underlying value is **less than** the initial underlying value but **greater than** the final buffer value.

$$\text{Payment at maturity per security} = \$1,000$$

In this scenario, the underlying has depreciated from the initial underlying value to the final underlying value, but not by more than the buffer percentage. As a result, you would be repaid the stated principal amount of your securities at maturity but would not receive any positive return on your investment.

Example 4—Downside Scenario. The final underlying value is \$30, resulting in a -70% underlying return. In this example, the final underlying value is **less than** the final buffer value.

$$\begin{aligned}
 &\text{Payment at maturity per security} = \$1,000 + [\$1,000 \times (\text{the underlying return} + \text{the buffer percentage})] \\
 &= \$1,000 + [\$1,000 \times (-70\% + 20\%)] \\
 &= \$1,000 + [\$1,000 \times -50\%] \\
 &= \$1,000 + -\$500 \\
 &= \$500
 \end{aligned}$$

In this scenario, the underlying has depreciated from the initial underlying value to the final underlying value by more than the buffer percentage. As a result, your total return at maturity in this scenario would be negative and would reflect 1-to-1 exposure to the negative performance of the underlying beyond the buffer percentage.

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Summary Risk Factors

An investment in the securities is significantly riskier than an investment in conventional debt securities. The securities are subject to all of the risks associated with an investment in our conventional debt securities (guaranteed by Citigroup Inc.), including the risk that we and Citigroup Inc. may default on our obligations under the securities, and are also subject to risks associated with the underlying. Accordingly, the securities are suitable only for investors who are capable of understanding the complexities and risks of the securities. You should consult your own financial, tax and legal advisors as to the risks of an investment in the securities and the suitability of the securities in light of your particular circumstances.

The following is a summary of certain key risk factors for investors in the securities. You should read this summary together with the more detailed description of risks relating to an investment in the securities contained in the section “Risk Factors Relating to the Securities” beginning on page EA-7 in the accompanying product supplement. You should also carefully read the risk factors included in the accompanying prospectus supplement and in the documents incorporated by reference in the accompanying prospectus, including Citigroup Inc.’s most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q, which describe risks relating to the business of Citigroup Inc. more generally.

You may lose a significant portion of your investment. Unlike conventional debt securities, the securities do not repay a fixed amount of principal at maturity. Instead, your payment at maturity will depend on the performance of the underlying. If the underlying depreciates by more than the buffer percentage from the initial underlying value to the final underlying value, you will lose 1% of the stated principal amount of your securities for every 1% by which that depreciation exceeds the buffer percentage.

Your potential return on the securities is limited. Your potential total return on the securities at maturity is limited to the maximum return at maturity, even if the underlying appreciates by significantly more than the maximum return at maturity. If the underlying appreciates by more than the maximum return at maturity, the securities will underperform an alternative investment providing 1-to-1 exposure to the performance of the underlying. When lost dividends are taken into account, the securities may underperform an alternative investment providing 1-to-1 exposure to the performance of the underlying even if the underlying appreciates by less than the maximum return at maturity. In addition, the maximum return at maturity reduces the effect of the upside participation rate for all final underlying values exceeding the final underlying value at which, by multiplying the corresponding underlying return by the upside participation rate, the maximum return at maturity is reached.

The securities do not pay interest. Unlike conventional debt securities, the securities do not pay interest or any other amounts prior to maturity. You should not invest in the securities if you seek current income during the term of the securities.

You will not receive dividends or have any other rights with respect to the underlying. You will not receive any dividends with respect to the underlying. This lost dividend yield may be significant over the term of the securities. The payment scenarios described in this pricing supplement do not show any effect of lost dividend yield over the term of the securities. In addition, you will not have voting rights or any other rights with respect to the underlying or the stocks included in the underlying.

Your payment at maturity depends on the closing value of the underlying on a single day. Because your payment at maturity depends on the closing value of the underlying solely on the valuation date, you are subject to the risk that the closing value of the underlying on that day may be lower, and possibly significantly lower, than on one or more other dates during the term of the securities. If you had invested directly in the underlying or in another instrument linked to the underlying that you could sell for full value at a time selected by you, or if the payment at maturity were based on an average of closing values of the underlying, you might have achieved better returns.

The securities are subject to the credit risk of Citigroup Global Markets Holdings Inc. and Citigroup Inc. If we default on our obligations under the securities and Citigroup Inc. defaults on its guarantee obligations, you may not receive anything owed to you under the securities.

The securities will not be listed on any securities exchange and you may not be able to sell them prior to maturity. The securities will not be listed on any securities exchange. Therefore, there may be little or no secondary market for the securities. CGMI currently intends to make a secondary market in relation to the securities and to provide an indicative bid price for the securities on a daily basis. Any indicative bid price for the securities provided by CGMI will be determined in CGMI's sole discretion, taking into account prevailing market conditions and other relevant factors, and will not be a representation by CGMI that the securities can be sold at that price, or at all. CGMI may suspend or terminate making a market and providing indicative bid prices without notice, at any time and for any reason. If CGMI suspends or terminates making a market, there may be no secondary market at all for the securities because it is likely that CGMI will be the only broker-dealer that is willing to buy your securities prior to maturity. Accordingly, an investor must be prepared to hold the securities until maturity.

The estimated value of the securities on the pricing date, based on CGMI's proprietary pricing models and our internal funding rate, is less than the issue price. The difference is attributable to certain costs associated with selling, structuring and hedging the securities that are included in the issue price. These costs include (i) any selling concessions or other fees paid in connection with the offering of the securities, (ii) hedging and other costs incurred by us and our affiliates in connection with the offering of the securities and (iii) the expected profit (which may be more or less than actual profit) to CGMI or other of our affiliates in connection with hedging our obligations under the securities. These costs adversely affect the economic terms of the securities

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because, if they were lower, the economic terms of the securities would be more favorable to you. The economic terms of the securities are also likely to be adversely affected by the use of our internal funding rate, rather than our secondary market rate, to price the securities. See “The estimated value of the securities would be lower if it were calculated based on our secondary market rate” below.

The estimated value of the securities was determined for us by our affiliate using proprietary pricing models. CGMI derived the estimated value disclosed on the cover page of this pricing supplement from its proprietary pricing models. In doing so, it may have made discretionary judgments about the inputs to its models, such as the volatility of the closing value of the underlying, the dividend yield on the underlying and interest rates. CGMI’s views on these inputs may differ from your or others’ views, and as an underwriter in this offering, CGMI’s interests may conflict with yours. Both the models and the inputs to the models may prove to be wrong and therefore not an accurate reflection of the value of the securities. Moreover, the estimated value of the securities set forth on the cover page of this pricing supplement may differ from the value that we or our affiliates may determine for the securities for other purposes, including for accounting purposes. You should not invest in the securities because of the estimated value of the securities. Instead, you should be willing to hold the securities to maturity irrespective of the initial estimated value.

The estimated value of the securities would be lower if it were calculated based on our secondary market rate.

The estimated value of the securities included in this pricing supplement is calculated based on our internal funding rate, which is the rate at which we are willing to borrow funds through the issuance of the securities. Our internal funding rate is generally lower than our secondary market rate, which is the rate that CGMI will use in determining the value of the securities for purposes of any purchases of the securities from you in the secondary market. If the estimated value included in this pricing supplement were based on our secondary market rate, rather than our internal funding rate, it would likely be lower. We determine our internal funding rate based on factors such as the costs associated with the securities, which are generally higher than the costs associated with conventional debt securities, and our liquidity needs and preferences. Our internal funding rate is not an interest rate that is payable on the securities.

Because there is not an active market for traded instruments referencing our outstanding debt obligations, CGMI determines our secondary market rate based on the market price of traded instruments referencing the debt obligations of Citigroup Inc., our parent company and the guarantor of all payments due on the securities, but subject to adjustments that CGMI makes in its sole discretion. As a result, our secondary market rate is not a market-determined measure of our creditworthiness, but rather reflects the market’s perception of our parent company’s creditworthiness as adjusted for discretionary factors such as CGMI’s preferences with respect to purchasing the securities prior to maturity.

The estimated value of the securities is not an indication of the price, if any, at which CGMI or any other person may be willing to buy the securities from you in the secondary market. Any such secondary market price will fluctuate over the term of the securities based on the market and other factors described in the next risk factor. Moreover, unlike the estimated value included in this pricing supplement, any value of the securities determined for purposes of a secondary market transaction will be based on our secondary market rate, which will likely result in a lower value for the securities than if our internal funding rate were used. In addition, any secondary market price for the securities will be reduced by a bid-ask spread, which may vary depending on the aggregate stated principal amount of the securities to be purchased in the secondary market transaction, and the expected cost of unwinding

related hedging transactions. As a result, it is likely that any secondary market price for the securities will be less than the issue price.

The value of the securities prior to maturity will fluctuate based on many unpredictable factors. The value of your securities prior to maturity will fluctuate based on the closing value of the underlying, the volatility of the closing value of the underlying, the dividend yield on the underlying, interest rates generally, the time remaining to maturity and our and Citigroup Inc.'s creditworthiness, as reflected in our secondary market rate, among other factors described under "Risk Factors Relating to the Securities—Risk Factors Relating to All Securities—The value of your securities prior to maturity will fluctuate based on many unpredictable factors" in the accompanying product supplement. Changes in the closing value of the underlying may not result in a comparable change in the value of your securities. You should understand that the value of your securities at any time prior to maturity may be significantly less than the issue price.

Immediately following issuance, any secondary market bid price provided by CGMI, and the value that will be indicated on any brokerage account statements prepared by CGMI or its affiliates, will reflect a temporary upward adjustment. The amount of this temporary upward adjustment will steadily decline to zero over the temporary adjustment period. See "Valuation of the Securities" in this pricing supplement.

The underlying is subject to risks associated with emerging markets. The stocks included in the underlying have been issued by companies in various foreign emerging markets. Foreign equity securities involve risks associated with the securities markets in foreign countries, including risks of volatility in those markets, governmental intervention in those markets and cross-shareholdings in companies in certain countries. There is also generally less publicly available information about foreign companies than about U.S. companies that are subject to the reporting requirements of the Securities and Exchange Commission, and foreign companies are subject to accounting, auditing and financial reporting standards and requirements different from those applicable to U.S. reporting companies. The prices of securities in foreign markets may be affected by political, economic, financial and social factors in those countries, or global regions, including changes in government, economic and fiscal policies and currency exchange laws.

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Stocks issued by companies in emerging markets may be subject to heightened risks, including risks of relatively unstable governments, nationalization of businesses, restrictions on foreign ownership, prohibitions on the repatriation of assets and less protection of property rights. The economies of countries with emerging markets may be based on only a few industries, be highly vulnerable to changes in local or global trade conditions and suffer from extreme and volatile debt burdens or inflation rates. Local securities markets may trade a small number of securities and be unable to respond effectively to increases in trading volume, potentially increasing price volatility. Moreover, the economies in such countries may differ unfavorably from the economy in the United States in such respects as growth of gross national product, rate of inflation, capital reinvestment, resources and self-sufficiency.

Fluctuations in exchange rates will affect the closing value of the underlying. Because the underlying includes stocks that trade outside the United States and the closing value of the underlying is based on the U.S. dollar value of those stocks, the underlying is subject to currency exchange rate risk with respect to each of the currencies in which such stocks trade. Exchange rate movements may be volatile and may be driven by numerous factors specific to the relevant countries, including the supply of, and the demand for, the applicable currencies, as well as government policy and intervention and macroeconomic factors. Exchange rate movements may also be influenced significantly by speculative trading. In general, if the U.S. dollar strengthens against the currencies in which the stocks included in the underlying trade, the closing value of the underlying will be adversely affected for that reason alone.

Our offering of the securities is not a recommendation of the underlying. The fact that we are offering the securities does not mean that we believe that investing in an instrument linked to the underlying is likely to achieve favorable returns. In fact, as we are part of a global financial institution, our affiliates may have positions (including short positions) in the underlying or in instruments related to the underlying, and may publish research or express opinions, that in each case are inconsistent with an investment linked to the underlying. These and other activities of our affiliates may affect the closing value of the underlying in a way that negatively affects the value of and your return on the securities.

The closing value of the underlying may be adversely affected by our or our affiliates' hedging and other trading activities. We expect to hedge our obligations under the securities through CGMI or other of our affiliates, who may take positions in the underlying or in financial instruments related to the underlying and may adjust such positions during the term of the securities. Our affiliates also take positions in the underlying or in financial instruments related to the underlying on a regular basis (taking long or short positions or both), for their accounts, for other accounts under their management or to facilitate transactions on behalf of customers. These activities could affect the closing value of the underlying in a way that negatively affects the value of and your return on the securities. They could also result in substantial returns for us or our affiliates while the value of the securities declines.

We and our affiliates may have economic interests that are adverse to yours as a result of our affiliates' business activities. Our affiliates engage in business activities with a wide range of companies. These activities include extending loans, making and facilitating investments, underwriting securities offerings and providing advisory services. These activities could involve or affect the underlying in a way that negatively affects the value of and your return on the securities. They could also result in substantial returns for us or our affiliates while the value of the securities declines. In addition, in the course of this business, we or our affiliates may acquire non-public information, which will not be disclosed to you.

The calculation agent, which is an affiliate of ours, will make important determinations with respect to the securities. If certain events occur during the term of the securities, such as market disruption events and other events with respect to the underlying, CGMI, as calculation agent, will be required to make discretionary judgments that could significantly affect your return on the securities. In making these judgments, the calculation agent's interests as an affiliate of ours could be adverse to your interests as a holder of the securities. See "Risks Relating to the Securities—Risks Relating to All Securities—The calculation agent, which is an affiliate of ours, will make important determinations with respect to the securities" in the accompanying product supplement.

Even if the underlying pays a dividend that it identifies as special or extraordinary, no adjustment will be required under the securities for that dividend unless it meets the criteria specified in the accompanying product supplement. In general, an adjustment will not be made under the terms of the securities for any cash dividend paid by the underlying unless the amount of the dividend per share, together with any other dividends paid in the same quarter, exceeds the dividend paid per share in the most recent quarter by an amount equal to at least 10% of the closing value of the underlying on the date of declaration of the dividend. Any dividend will reduce the closing value of the underlying by the amount of the dividend per share. If the underlying pays any dividend for which an adjustment is not made under the terms of the securities, holders of the securities will be adversely affected. See "Description of the Securities—Certain Additional Terms for Securities Linked to an Underlying Company or an Underlying ETF—Dilution and Reorganization Adjustments—Certain Extraordinary Cash Dividends" in the accompanying product supplement.

The securities will not be adjusted for all events that may have a dilutive effect on or otherwise adversely affect the closing value of the underlying. For example, we will not make any adjustment for ordinary dividends or extraordinary dividends that do not meet the criteria described above, partial tender offers or additional underlying share issuances. Moreover, the adjustments we do make may not fully offset the dilutive or adverse effect of the particular event. Investors in the securities may be adversely affected by such an event in a circumstance in which a direct holder of the underlying shares would not.

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The securities may become linked to an underlying other than the original underlying upon the occurrence of a reorganization event or upon the delisting of the underlying shares. For example, if the underlying enters into a merger agreement that provides for holders of the underlying shares to receive shares of another entity and such shares are marketable securities, the closing value of the underlying following consummation of the merger will be based on the value of such other shares. Additionally, if the underlying shares are delisted, the calculation agent may select a successor underlying. See “Description of the Securities—Certain Additional Terms for Securities Linked to an Underlying Company or an Underlying ETF” in the accompanying product supplement.

The value and performance of the underlying shares may not completely track the performance of the underlying index that the underlying seeks to track or the net asset value per share of the underlying. The underlying does not fully replicate the underlying index that it seeks to track and may hold securities different from those included in its underlying index. In addition, the performance of the underlying will reflect additional transaction costs and fees that are not included in the calculation of its underlying index. All of these factors may lead to a lack of correlation between the performance of the underlying and its underlying index. In addition, corporate actions with respect to the equity securities held by the underlying (such as mergers and spin-offs) may impact the variance between the performance of the underlying and its underlying index. Finally, because the underlying shares are traded on an exchange and are subject to market supply and investor demand, the closing value of the underlying may differ from the net asset value per share of the underlying.

During periods of market volatility, securities included in the underlying’s underlying index may be unavailable in the secondary market, market participants may be unable to calculate accurately the net asset value per share of the underlying and the liquidity of the underlying may be adversely affected. This kind of market volatility may also disrupt the ability of market participants to create and redeem shares of the underlying. Further, market volatility may adversely affect, sometimes materially, the price at which market participants are willing to buy and sell the underlying shares. As a result, under these circumstances, the closing value of the underlying may vary substantially from the net asset value per share of the underlying. For all of the foregoing reasons, the performance of the underlying may not correlate with the performance of its underlying index and/or its net asset value per share, which could materially and adversely affect the value of the securities and/or reduce your return on the securities.

Changes that affect the underlying may affect the value of your securities. The sponsor of the underlying may at any time make methodological changes or other changes in the manner in which it operates that could affect the value of the underlying. We are not affiliated with the underlying sponsor and, accordingly, we have no control over any changes such sponsor may make. Such changes could adversely affect the performance of the underlying and the value of and your return on the securities.

The U.S. federal tax consequences of an investment in the securities are unclear. There is no direct legal authority regarding the proper U.S. federal tax treatment of the securities, and we do not plan to request a ruling from the Internal Revenue Service (the “IRS”). Consequently, significant aspects of the tax treatment of the securities are uncertain, and the IRS or a court might not agree with the treatment of the securities as prepaid forward contracts. If the IRS were successful in asserting an alternative treatment of the securities, the tax consequences of the ownership and disposition of the securities might be materially and adversely affected. Even if the treatment of the securities as prepaid forward contracts is respected, a security may be treated as a “constructive ownership transaction,” with potentially adverse consequences described below under “United States Federal Tax Considerations.” In addition, in 2007 the U.S. Treasury Department and the IRS released a notice requesting comments on various issues regarding the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. Any Treasury regulations

or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, including the character and timing of income or loss and the degree, if any, to which income realized by non-U.S. persons should be subject to withholding tax, possibly with retroactive effect.

Section 871(m) of the Internal Revenue Code of 1986, as amended (the “Code”), imposes a withholding tax of up to 30% on “dividend equivalents” paid or deemed paid to non-U.S. investors in respect of certain financial instruments linked to U.S. equities. In light of Treasury regulations, as modified by an IRS notice, that provide a general exemption for financial instruments issued prior to January 1, 2021 that do not have a “delta” of one, the securities should not be subject to withholding under Section 871(m). However, the IRS could challenge this conclusion. If withholding applies to the securities, we will not be required to pay any additional amounts with respect to amounts withheld.

You should read carefully the discussion under “United States Federal Tax Considerations” and “Risk Factors Relating to the Securities” in the accompanying product supplement and “United States Federal Tax Considerations” in this pricing supplement. You should also consult your tax adviser regarding the U.S. federal tax consequences of an investment in the securities, as well as tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

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Information About the iShares® MSCI Emerging Markets ETF

The iShares® MSCI Emerging Markets ETF is an exchange-traded fund that seeks to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of publicly traded securities in emerging markets, as measured by the MSCI Emerging Markets Index. The MSCI Emerging Markets Index was developed by MSCI Inc. as an equity benchmark for international stock performance, and is designed to measure equity market performance in the global emerging markets.

The iShares® MSCI Emerging Markets ETF is an investment portfolio managed by iShares® Inc. BlackRock Fund Advisors is the investment adviser to the iShares® MSCI Emerging Markets ETF. iShares®, Inc. is a registered investment company that consists of numerous separate investment portfolios, including the iShares® MSCI Emerging Markets ETF. Information provided to or filed with the SEC by iShares®, Inc. pursuant to the Securities Act of 1933, as amended, and the Investment Company Act of 1940, as amended, can be located by reference to SEC file numbers 033-97598 and 811-09102, respectively, through the SEC's website at <http://www.sec.gov>. In addition, information may be obtained from other sources including, but not limited to, press releases, newspaper articles and other publicly disseminated documents. The underlying shares of the iShares® MSCI Emerging Markets ETF trade on the NYSE Arca under the ticker symbol "EEM."

Please refer to the section "Fund Descriptions—iShares® MSCI Emerging Markets ETF" in the accompanying underlying supplement for additional information.

We have derived all information regarding the iShares® MSCI Emerging Markets ETF from publicly available information and have not independently verified any information regarding the iShares® MSCI Emerging Markets ETF. This pricing supplement relates only to the securities and not to the iShares® MSCI Emerging Markets ETF. We make no representation as to the performance of the iShares® MSCI Emerging Markets ETF over the term of the securities.

The securities represent obligations of Citigroup Global Markets Holdings Inc. (guaranteed by Citigroup Inc.) only. The sponsor of the iShares® MSCI Emerging Markets ETF is not involved in any way in this offering and has no obligation relating to the securities or to holders of the securities.

Historical Information

The closing value of the iShares® MSCI Emerging Markets ETF on December 21, 2018 was \$38.52.

The graph below shows the closing value of the iShares® MSCI Emerging Markets ETF for each day such value was available from January 2, 2008 to December 21, 2018. We obtained the closing values from Bloomberg L.P., without independent verification. You should not take historical closing values as an indication of future performance.

**iShares® MSCI Emerging Markets ETF – Historical Closing Values
January 2, 2008 to December 21, 2018**

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United States Federal Tax Considerations

You should read carefully the discussion under “United States Federal Tax Considerations” and “Risk Factors Relating to the Securities” in the accompanying product supplement and “Summary Risk Factors” in this pricing supplement.

In the opinion of our counsel, Davis Polk & Wardwell LLP, which is based on current market conditions, a security should be treated as a prepaid forward contract for U.S. federal income tax purposes. By purchasing a security, you agree (in the absence of an administrative determination or judicial ruling to the contrary) to this treatment. There is uncertainty regarding this treatment, and the IRS or a court might not agree with it.

Assuming this treatment of the securities is respected and subject to the discussion in “United States Federal Tax Considerations” in the accompanying product supplement, the following U.S. federal income tax consequences should result under current law:

You should not recognize taxable income over the term of the securities prior to maturity, other than pursuant to a sale or exchange.

Upon a sale or exchange of a security (including retirement at maturity), you should recognize gain or loss equal to the difference between the amount realized and your tax basis in the security. Subject to the discussion below concerning the potential application of the “constructive ownership” rules under Section 1260 of the Code, any gain or loss recognized upon a sale, exchange or retirement of a security should be long-term capital gain or loss if you held the security for more than one year.

Even if the treatment of the securities as prepaid forward contracts is respected, your purchase of a security may be treated as entry into a “constructive ownership transaction,” within the meaning of Section 1260 of the Code, with respect to the underlying shares. In that case, all or a portion of any long-term capital gain you would otherwise recognize in respect of your securities would be recharacterized as ordinary income to the extent such gain exceeded the “net underlying long-term capital gain.” Although the matter is unclear, the “net underlying long-term capital gain” may equal the amount of long-term capital gain you would have realized if on the issue date you had purchased an amount of the underlying shares with a value equal to the amount you paid to acquire your securities and subsequently sold that amount for its fair market value at the time your securities are sold, exchanged or retired (which would reflect the percentage increase, without regard to the upside participation rate, in the value of the underlying shares over the term of the securities). Alternatively, the “net underlying long-term capital gain” could be calculated using an amount of the underlying shares that reflects the upside participation rate used to calculate the payment that you will receive on your securities. Any long-term capital gain recharacterized as ordinary income under Section 1260 would be treated as accruing at a constant rate over the period you held your securities, and you would be subject to an interest charge in respect of the deemed tax liability on the income treated as accruing in prior tax years. Due to the lack of governing authority under Section 1260, our counsel is not able to opine as to whether or how Section 1260

applies to the securities. You should read the section entitled “United States Federal Tax Considerations—Tax Consequences to U.S. Holders—Potential Application of Section 1260 of the Code” in the accompanying product supplement for additional information and consult your tax adviser regarding the potential application of the “constructive ownership” rule.

Subject to the discussions below under “Possible Withholding Under Section 871(m) of the Code” and in “United States Federal Tax Considerations” in the accompanying product supplement, if you are a Non-U.S. Holder (as defined in the accompanying product supplement) of the securities, you generally should not be subject to U.S. federal withholding or income tax in respect of any amount paid to you with respect to the securities, provided that (i) income in respect of the securities is not effectively connected with your conduct of a trade or business in the United States, and (ii) you comply with the applicable certification requirements.

In 2007, the U.S. Treasury Department and the IRS released a notice requesting comments on the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. The notice focuses in particular on whether to require holders of these instruments to accrue income over the term of their investment. It also asks for comments on a number of related topics, including the character of income or loss with respect to these instruments; whether short-term instruments should be subject to any such accrual regime; the relevance of factors such as the exchange-traded status of the instruments and the nature of the underlying property to which the instruments are linked; the degree, if any, to which income (including any mandated accruals) realized by non-U.S. investors should be subject to withholding tax; and whether these instruments are or should be subject to the “constructive ownership” regime described above. While the notice requests comments on appropriate transition rules and effective dates, any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, including the character and timing of income or loss and the degree, if any, to which income realized by non-U.S. persons should be subject to withholding tax, possibly with retroactive effect.

Possible Withholding Under Section 871(m) of the Code. As discussed under “United States Federal Tax Considerations—Tax Consequences to Non-U.S. Holders” in the accompanying product supplement, Section 871(m) of the Code and Treasury regulations promulgated thereunder (“Section 871(m)”) generally impose a 30% withholding tax on dividend equivalents paid or deemed paid to Non-U.S. Holders with respect to certain financial instruments linked to U.S. equities (“U.S. Underlying Equities”) or indices that include U.S. Underlying Equities. Section 871(m) generally applies to instruments that substantially replicate the economic performance of one or more U.S. Underlying Equities, as determined based on tests set forth in the applicable Treasury regulations (a “Specified Security”). However, the regulations, as modified by an IRS notice, exempt financial instruments issued prior to January 1, 2021 that do not have a “delta” of one. Based on the terms of the securities and representations provided by us, our counsel is of the opinion that the securities should not be treated as transactions that have a “delta” of one within the meaning of the regulations with respect to any U.S. Underlying Equity and, therefore, should not be Specified Securities subject to withholding tax under Section 871(m).

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A determination that the securities are not subject to Section 871(m) is not binding on the IRS, and the IRS may disagree with this treatment. Moreover, Section 871(m) is complex and its application may depend on your particular circumstances. For example, if you enter into other transactions relating to a U.S. Underlying Equity, you could be subject to withholding tax or income tax liability under Section 871(m) even if the securities are not Specified Securities subject to Section 871(m) as a general matter. You should consult your tax adviser regarding the potential application of Section 871(m) to the securities.

If withholding tax applies to the securities, we will not be required to pay any additional amounts with respect to amounts withheld.

You should read the section entitled “United States Federal Tax Considerations” in the accompanying product supplement. The preceding discussion, when read in combination with that section, constitutes the full opinion of Davis Polk & Wardwell LLP regarding the material U.S. federal tax consequences of owning and disposing of the securities.

You should also consult your tax adviser regarding all aspects of the U.S. federal income and estate tax consequences of an investment in the securities and any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

Supplemental Plan of Distribution

CGMI, an affiliate of Citigroup Global Markets Holdings Inc. and the underwriter of the sale of the securities, is acting as principal and will not receive any underwriting fee for any securities sold in this offering. However, CGMI and its affiliates may profit from expected hedging activity related to this offering. From these expected hedging profits, CGMI will pay selected dealers participating in the distribution of the securities a structuring fee of up to \$4 for each security sold in this offering.

See “Plan of Distribution; Conflicts of Interest” in the accompanying product supplement and “Plan of Distribution” in each of the accompanying prospectus supplement and prospectus for additional information.

Valuation of the Securities

CGMI calculated the estimated value of the securities set forth on the cover page of this pricing supplement based on proprietary pricing models. CGMI's proprietary pricing models generated an estimated value for the securities by estimating the value of a hypothetical package of financial instruments that would replicate the payout on the securities, which consists of a fixed-income bond (the "bond component") and one or more derivative instruments underlying the economic terms of the securities (the "derivative component"). CGMI calculated the estimated value of the bond component using a discount rate based on our internal funding rate. CGMI calculated the estimated value of the derivative component based on a proprietary derivative-pricing model, which generated a theoretical price for the instruments that constitute the derivative component based on various inputs, including the factors described under "Summary Risk Factors—The value of the securities prior to maturity will fluctuate based on many unpredictable factors" in this pricing supplement, but not including our or Citigroup Inc.'s creditworthiness. These inputs may be market-observable or may be based on assumptions made by CGMI in its discretionary judgment.

For a period of approximately three months following issuance of the securities, the price, if any, at which CGMI would be willing to buy the securities from investors, and the value that will be indicated for the securities on any brokerage account statements prepared by CGMI or its affiliates (which value CGMI may also publish through one or more financial information vendors), will reflect a temporary upward adjustment from the price or value that would otherwise be determined. This temporary upward adjustment represents a portion of the hedging profit expected to be realized by CGMI or its affiliates over the term of the securities. The amount of this temporary upward adjustment will decline to zero on a straight-line basis over the three-month temporary adjustment period. However, CGMI is not obligated to buy the securities from investors at any time. See "Summary Risk Factors—The securities will not be listed on any securities exchange and you may not be able to sell them prior to maturity."

Certain Selling Restrictions

Hong Kong Special Administrative Region

The contents of this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus have not been reviewed by any regulatory authority in the Hong Kong Special Administrative Region of the People's Republic of China ("Hong Kong"). Investors are advised to exercise caution in relation to the offer. If investors are in any doubt about any of the contents of this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus, they should obtain independent professional advice.

The securities have not been offered or sold and will not be offered or sold in Hong Kong by means of any document, other than

- (i) to persons whose ordinary business is to buy or sell shares or debentures (whether as principal or agent); or

(ii) to “professional investors” as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong (the “Securities and Futures Ordinance”) and any rules made under that Ordinance; or

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in other circumstances which do not result in the document being a “prospectus” as defined in the Companies (iii) Ordinance (Cap. 32) of Hong Kong or which do not constitute an offer to the public within the meaning of that Ordinance; and

There is no advertisement, invitation or document relating to the securities which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to securities which are or are intended to be disposed of only to persons outside Hong Kong or only to “professional investors” as defined in the Securities and Futures Ordinance and any rules made under that Ordinance.

Non-insured Product: These securities are not insured by any governmental agency. These securities are not bank deposits and are not covered by the Hong Kong Deposit Protection Scheme.

Singapore

This pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus have not been registered as a prospectus with the Monetary Authority of Singapore, and the securities will be offered pursuant to exemptions under the Securities and Futures Act, Chapter 289 of Singapore (the “Securities and Futures Act”). Accordingly, the securities may not be offered or sold or made the subject of an invitation for subscription or purchase nor may this pricing supplement or any other document or material in connection with the offer or sale or invitation for subscription or purchase of any securities be circulated or distributed, whether directly or indirectly, to any person in Singapore other than (a) to an institutional investor pursuant to Section 274 of the Securities and Futures Act, (b) to a relevant person under Section 275(1) of the Securities and Futures Act or to any person pursuant to Section 275(1A) of the Securities and Futures Act and in accordance with the conditions specified in Section 275 of the Securities and Futures Act, or (c) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the Securities and Futures Act. Where the securities are subscribed or purchased under Section 275 of the Securities and Futures Act by a relevant person which is:

a corporation (which is not an accredited investor (as defined in Section 4A of the Securities and Futures Act)) the (a) sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or

a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary is an individual who is an accredited investor, securities (as defined in Section 239(1) of the Securities (b) and Futures Act) of that corporation or the beneficiaries’ rights and interests (howsoever described) in that trust shall not be transferable for 6 months after that corporation or that trust has acquired the relevant securities pursuant to an offer under Section 275 of the Securities and Futures Act except:

to an institutional investor or to a relevant person defined in Section 275(2) of the Securities and Futures Act or to (i) any person arising from an offer referred to in Section 275(1A) or Section 276(4)(i)(B) of the Securities and Futures Act; or

(ii) where no consideration is or will be given for the transfer; or

(iii) where the transfer is by operation of law; or

(iv) pursuant to Section 276(7) of the Securities and Futures Act; or

(v) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore.

Any securities referred to herein may not be registered with any regulator, regulatory body or similar organization or institution in any jurisdiction.

The securities are Specified Investment Products (as defined in the Notice on Recommendations on Investment Products and Notice on the Sale of Investment Product issued by the Monetary Authority of Singapore on 28 July 2011) that is neither listed nor quoted on a securities market or a futures market.

Non-insured Product: These securities are not insured by any governmental agency. These securities are not bank deposits. These securities are not insured products subject to the provisions of the Deposit Insurance and Policy Owners' Protection Schemes Act 2011 of Singapore and are not eligible for deposit insurance coverage under the Deposit Insurance Scheme.

Validity of the Securities

In the opinion of Davis Polk & Wardwell LLP, as special products counsel to Citigroup Global Markets Holdings Inc., when the securities offered by this pricing supplement have been executed and issued by Citigroup Global Markets Holdings Inc. and authenticated by the trustee pursuant to the indenture, and delivered against payment therefor, such securities and the related guarantee of Citigroup Inc. will be valid and binding obligations of Citigroup Global Markets Holdings Inc. and Citigroup Inc., respectively, enforceable in

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accordance with their respective terms, 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), provided that such counsel expresses no opinion as to the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law on the conclusions expressed above. This opinion is given as of the date of this pricing supplement and is limited to the laws of the State of New York, except that such counsel expresses no opinion as to the application of state securities or Blue Sky laws to the securities.

In giving this opinion, Davis Polk & Wardwell LLP has assumed the legal conclusions expressed in the opinions set forth below of Scott L. Flood, General Counsel and Secretary of Citigroup Global Markets Holdings Inc., and Barbara Politi, Assistant General Counsel—Capital Markets of Citigroup Inc. In addition, this opinion is subject to the assumptions set forth in the letter of Davis Polk & Wardwell LLP dated April 7, 2017, which has been filed as an exhibit to a Current Report on Form 8-K filed by Citigroup Inc. on April 7, 2017, that the indenture has been duly authorized, executed and delivered by, and is a valid, binding and enforceable agreement of, the trustee and that none of the terms of the securities nor the issuance and delivery of the securities and the related guarantee, nor the compliance by Citigroup Global Markets Holdings Inc. and Citigroup Inc. with the terms of the securities and the related guarantee respectively, will result in a violation of any provision of any instrument or agreement then binding upon Citigroup Global Markets Holdings Inc. or Citigroup Inc., as applicable, or any restriction imposed by any court or governmental body having jurisdiction over Citigroup Global Markets Holdings Inc. or Citigroup Inc., as applicable.

In the opinion of Scott L. Flood, Secretary and General Counsel of Citigroup Global Markets Holdings Inc., (i) the terms of the securities offered by this pricing supplement have been duly established under the indenture and the Board of Directors (or a duly authorized committee thereof) of Citigroup Global Markets Holdings Inc. has duly authorized the issuance and sale of such securities and such authorization has not been modified or rescinded; (ii) Citigroup Global Markets Holdings Inc. is validly existing and in good standing under the laws of the State of New York; (iii) the indenture has been duly authorized, executed and delivered by Citigroup Global Markets Holdings Inc.; and (iv) the execution and delivery of such indenture and of the securities offered by this pricing supplement by Citigroup Global Markets Holdings Inc., and the performance by Citigroup Global Markets Holdings Inc. of its obligations thereunder, are within its corporate powers and do not contravene its certificate of incorporation or bylaws or other constitutive documents. This opinion is given as of the date of this pricing supplement and is limited to the laws of the State of New York.

Scott L. Flood, or other internal attorneys with whom he has consulted, has examined and is familiar with originals, or copies certified or otherwise identified to his satisfaction, of such corporate records of Citigroup Global Markets Holdings Inc., certificates or documents as he has deemed appropriate as a basis for the opinions expressed above. In such examination, he or such persons has assumed the legal capacity of all natural persons, the genuineness of all signatures (other than those of officers of Citigroup Global Markets Holdings Inc.), the authenticity of all documents submitted to him or such persons as originals, the conformity to original documents of all documents submitted to him or such persons as certified or photostatic copies and the authenticity of the originals of such copies.

In the opinion of Barbara Politi, Assistant General Counsel—Capital Markets of Citigroup Inc., (i) the Board of Directors (or a duly authorized committee thereof) of Citigroup Inc. has duly authorized the guarantee of such securities by Citigroup Inc. and such authorization has not been modified or rescinded; (ii) Citigroup Inc. is validly existing and in good standing under the laws of the State of Delaware; (iii) the indenture has been duly authorized, executed and delivered by Citigroup Inc.; and (iv) the execution and delivery of such indenture, and the performance by Citigroup Inc. of its obligations thereunder, are within its corporate powers and do not contravene its certificate of incorporation or bylaws or other constitutive documents. This opinion is given as of the date of this pricing supplement and is limited to the General Corporation Law of the State of Delaware.

Barbara Politi, or other internal attorneys with whom she has consulted, has examined and is familiar with originals, or copies certified or otherwise identified to her satisfaction, of such corporate records of Citigroup Inc., certificates or documents as she has deemed appropriate as a basis for the opinions expressed above. In such examination, she or such persons has assumed the legal capacity of all natural persons, the genuineness of all signatures (other than those of officers of Citigroup Inc.), the authenticity of all documents submitted to her or such persons as originals, the conformity to original documents of all documents submitted to her or such persons as certified or photostatic copies and the authenticity of the originals of such copies.

Contact

Clients may contact their local brokerage representative. Third-party distributors may contact Citi Structured Investment Sales at (212) 723-7005.

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Special Committee, the Reporting Persons are encouraged by the actions taken by the Issuer's Special Committee to begin to move the Company past recent controversies to meaningfully improve shareholder value. The Reporting Persons also believe multiple potential paths to significantly higher valuations exist for the issuer through strategic partnerships or improving operations as a stand-alone company. The Reporting Persons believe that meaningfully higher earnings power than the company has demonstrated historically is attainable through a combination of cost efficiencies and refranchising of company owned operations.

No Reporting Person has any present plan or proposal which would relate to or result in any of the matters set forth in subparagraphs (a) - (j) of Item 4 of Schedule 13D except as set forth herein or such as would occur upon or in connection with completion of, or following, any of the actions discussed herein. The Reporting Persons intend to review their investment in the Issuer on a continuing basis. Depending on various factors including, without limitation, the Issuer's financial position and investment strategy, the price levels of the securities of the Issuer, conditions in the securities markets and general economic and industry conditions, the Reporting Persons may in the future take such actions with respect to their investment in the Issuer as they deem appropriate including, without

limitation, engaging in communications with management, the Board and their advisors, engaging in discussions with shareholders of the Issuer and others about the Issuer and the Reporting Persons' investment, making proposals to the Issuer concerning changes to the capitalization, the ownership structure, the structure, composition and skill sets of the Board and senior management or the operations of the Issuer, purchasing additional securities of the Issuer, selling some or all of such securities, entering into financial instruments or other agreements that increase or decrease the Reporting Persons' economic or beneficial exposure with respect to their investment in the Issuer, engaging in short selling of or any hedging or similar transaction with respect to the securities of the Issuer, including swaps and other derivative instruments, or changing their intention with respect to any and all matters referred to in Item 4.

Item 5. Interest in Securities of the Issuer.

The aggregate percentage of Shares reported owned by each person named herein is based upon 31,619,630 Shares outstanding as of July 31, 2018 as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on August 7, 2018.

A. Legion Partners I

(a) As of the close of business on October 1, 2018, Legion Partners I beneficially owned 880,660 Shares.

Percentage: Approximately 2.79%

(b) 1. Sole power to vote or direct vote: 0

2. Shared power to vote or direct vote: 880,660

3. Sole power to dispose or direct the disposition: 0

4. Shared power to dispose or direct the disposition: 880,660

(c) The transactions in the securities of the Issuer by Legion Partners I during the past sixty days are set forth in

Schedule A and are incorporated herein by reference.

B. Legion Partners II

(a) As of the close of business on October 1, 2018, Legion Partners II beneficially owned 42,781 Shares.

Percentage: Less than 1%

(b) 1. Sole power to vote or direct vote: 0

2. Shared power to vote or direct vote: 42,781

3. Sole power to dispose or direct the disposition: 0

4. Shared power to dispose or direct the disposition: 42,781

(c) The transactions in the securities of the Issuer by Legion Partners II during the past sixty days are set forth in

Schedule A and are incorporated herein by reference.

C. Legion Partners Special I

(a) As of the close of business on October 1, 2018, Legion Partners Special I beneficially owned 802,545 Shares.
Percentage: 2.54%

- (b) 1. Sole power to vote or direct vote: 0
2. Shared power to vote or direct vote: 802,545
3. Sole power to dispose or direct the disposition: 0
4. Shared power to dispose or direct the disposition: 802,545

(c) The transactions in the securities of the Issuer by Legion Partners Special I during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

D. Legion LLC

As of the close of business on October 1, 2018, Legion LLC, as the general partner of each of Legion Partners I, Legion Partners II and Legion Partners Special I, may be deemed the beneficial owner of the (i) 880,660 Shares (a) beneficially owned by Legion Partners I, (ii) 42,781 Shares beneficially owned by Legion Partners II and (iii) 802,545 Shares beneficially owned by Legion Partners Special I.

Percentage: Approximately 5.46%

- (b) 1. Sole power to vote or direct vote: 0
2. Shared power to vote or direct vote: 1,725,986
3. Sole power to dispose or direct the disposition: 0
4. Shared power to dispose or direct the disposition: 1,725,986

Legion LLC has not entered into any transactions in the securities of the Issuer during the past sixty days. The (c) transactions in the securities of the Issuer on behalf of each of Legion Partners I, Legion Partners II and Legion Partners Special I during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

E. Legion Partners Asset Management

As of the close of business on October 1, 2018, Legion Partners Asset Management, as the investment advisor of each of Legion Partners I, Legion Partners II and Legion Partners Special I, may also be deemed the beneficial (a) owner of the (i) 880,660 Shares beneficially owned by Legion Partners I, (ii) 42,781 Shares beneficially owned by Legion Partners II and (iii) 802,545 Shares beneficially owned by Legion Partners Special I.

Percentage: Approximately 5.46%

(b) 1. Sole power to vote or direct vote: 0

2. Shared power to vote or direct vote: 1,725,986

3. Sole power to dispose or direct the disposition: 0

4. Shared power to dispose or direct the disposition: 1,725,986

Legion Partners Asset Management has not entered into any transactions in the securities of the Issuer during the past sixty days. The transactions in the securities of the Issuer on behalf of each of Legion Partners I, Legion (c) Partners II and Legion Partners Special I during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

F. Legion Partners Holdings

As of the close of business on October 1, 2018, Legion Partners Holdings beneficially owned 100 Shares. In addition, Legion Partners Holdings, as the sole member of Legion Partners Asset Management and the sole (a) member of Legion LLC, may be deemed the beneficial owner of the (i) 880,660 Shares beneficially owned by Legion Partners I, (ii) 42,781 Shares beneficially owned by Legion Partners II and (iii) 802,545 Shares beneficially owned by Legion Partners Special I.

Percentage: Approximately 5.46%

(b) 1. Sole power to vote or direct vote: 0

2. Shared power to vote or direct vote: 1,726,086

3. Sole power to dispose or direct the disposition: 0

4. Shared power to dispose or direct the disposition: 1,726,086

The transactions in the securities of the Issuer by Legion Partners Holdings, Legion Partners I, Legion Partners II (c) and Legion Partners Special I during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

G. Messrs. Kiper and White

As of the close of business on October 1, 2018, each of Messrs. Kiper and White, as a managing director of Legion Partners Asset Management and a managing member of Legion Partners Holdings, may be deemed the beneficial (a) owner of the (i) 100 Shares beneficially owned by Legion Partners Holdings, (ii) 880,660 Shares beneficially owned by Legion Partners I, (iii) 42,781 Shares beneficially owned by Legion Partners II and (iv) 802,545 Shares beneficially owned by Legion Partners Special I.

Percentage: Approximately 5.46%

- (b) 1. Sole power to vote or direct vote: 0
- 2. Shared power to vote or direct vote: 1,726,086
- 3. Sole power to dispose or direct the disposition: 0
- 4. Shared power to dispose or direct the disposition: 1,726,086

Neither Mr. Kiper nor Mr. White has entered into any transactions in the securities of the Issuer during the past (c) sixty days. The transactions in the securities of the Issuer on behalf of each of Legion Partners Holdings, Legion Partners I, Legion Partners II and Legion Partners Special I during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

H. CalSTRS

(a) As of the close of business on October 1, 2018, CalSTRS beneficially owned 33,976 Shares.

Percentage: Less than 1%

- (b) 1. Sole power to vote or direct vote: 33,976
- 2. Shared power to vote or direct vote: 0
- 3. Sole power to dispose or direct the disposition: 33,976
- 4. Shared power to dispose or direct the disposition:

The transactions in the securities of the Issuer by CalSTRS during the past sixty days are set forth in Schedule A (c) and are incorporated herein by reference.

The filing of this Schedule 13D shall not be construed as an admission that the Reporting Persons are, for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, the beneficial owners of any of the securities reported herein. Each of the Reporting Persons specifically disclaims beneficial ownership of the securities reported herein that are not directly owned by such Reporting Person, except to the extent of their pecuniary interest therein.²

(d) No person other than the Reporting Persons is known to have the right to receive, or the power to direct the receipt of dividends from, or proceeds from the sale of, the Shares.

(e) Not applicable.

² An employee of Legion owns an immaterial number of Shares in his personal trading account, which is subject to Legion's applicable trading policies governing employee trading. The Reporting Persons disclaim (i) beneficial ownership of those shares and (ii) that such employee is a member of a group for purposes of Section 13 of the Securities Exchange Act of 1934.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer.

On October 1, 2018, the Reporting Persons entered into a Joint Filing and Solicitation Agreement in which the Reporting Persons agreed to the joint filing on behalf of each of them of statements on Schedule 13D with respect to securities of the Issuer, to the extent required by applicable law. The Joint Filing Agreement is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Other than as described herein, there are no contracts, arrangements, understandings or relationships among the Reporting Persons, or between the Reporting Persons and any other person, with respect to the securities of the Issuer.

Item 7. Material to be Filed as Exhibits

99.1 Joint Filing Agreement by and among Legion Partners, L.P. I, Legion Partners, L.P. II, Legion Partners Special Opportunities, L.P. I, Legion Partners, LLC, Legion Partners Asset Management, LLC, Legion Partners Holdings, LLC, Christopher S. Kiper, Raymond White and California State Teacher's Retirement System, dated October 1, 2018.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: October 1, 2018

Legion Partners, L.P. I

By: Legion Partners Asset
Management, LLC
Investment Advisor

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Director

Legion Partners, L.P. II

By: Legion Partners Asset
Management, LLC
Investment Advisor

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Director

Legion Partners Special
Opportunities, L.P. I

By: Legion Partners Asset
Management, LLC
Investment Advisor

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Director

Legion Partners, LLC

By: Legion Partners Holdings,
LLC
Managing Member

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Member

Legion Partners Asset
Management, LLC

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Director

Legion Partners Holdings, LLC

By: /s/ Christopher S. Kiper
Name: Christopher S. Kiper
Title: Managing Member

/s/ Christopher S. Kiper
Christopher S. Kiper

/s/ Raymond White
Raymond White

CALIFORNIA STATE
TEACHER'S RETIREMENT
SYSTEM

By: /s/ April Wilcox
Name: April Wilcox
Title: Director of Operations

SCHEDULE A

Transactions in the Securities of the Issuer During the Past Sixty (60) Days

Nature of Transaction	Date of Purchase	Amount of Securities Purchased/(Sold)	Price Per Security (\$)
<u>LEGION PARTNERS, L.P. I</u>			
Purchase of Common Stock	8/8/2018	64,087	\$38.9238
Short Sale of September 2018 Put Options (\$40.00 Strike Price) ¹	8/8/2018	(381)	\$3.0061
Short Sale of September 2018 Put Options (\$40.00 Strike Price) ¹	8/10/2018	(287)	\$2.1452
Short Sale of September 2018 Put Options (\$42.50 Strike Price) ¹	8/20/2018	(810)	\$2.0569
Short Sale of September 2018 Put Options (\$42.50 Strike Price) ¹	8/21/2018	(424)	\$1.8500
Purchase of Common Stock	8/24/2018	166,844	\$44.9429
Purchase of Common Stock	8/27/2018	54,492	\$44.9964
Purchase of Common Stock	8/27/2018	109,672	\$44.9748
Purchase of September 2018 Put Options (\$40.00 Strike Price) ²	8/27/2018	491	\$0.4500
Purchase of September 2018 Put Options (\$42.50 Strike Price) ²	8/27/2018	834	\$1.0000
Purchase of September 2018 Put Options (\$40.00 Strike Price) ²	8/28/2018	177	\$0.3995
Purchase of September 2018 Put Options (\$42.50 Strike Price) ²	8/28/2018	400	\$0.8487
Short Sale of September 2018 Put Options (\$49.00 Strike Price) ¹	8/28/2018	(444)	\$4.0000
Purchase of Common Stock	8/29/2018	104,904	\$46.6668
Purchase of Common Stock	8/29/2018	95,367	\$46.7587
Purchase of Common Stock	8/29/2018	95,367	\$46.7876
Purchase of Common Stock	8/29/2018	83,446	\$46.6911
Purchase of Common Stock	8/30/2018	62,081	\$46.0870
Purchase of Common Stock ³	9/21/2018	44,400	\$45.0104

¹ Represents American-style put option sold short in the over-the-counter market, all of which were covered or assigned on or prior to September 21, 2018, the expiration date.

² Represents American-style put option purchased in the over-the-counter market to cover short sale of option with an expiration date of September 21, 2018.

³ Represents Shares underlying American-style put options that were assigned. These put options had a strike price of \$49.00 and would have expired on September 21, 2018.

LEGION PARTNERS, L.P. II

Purchase of Common Stock	8/8/2018	3,113	\$38.9238
Short Sale of September 2018 Put Options (\$40.00 Strike Price) ¹	8/8/2018	(19)	\$3.0061
Short Sale of September 2018 Put Options (\$40.00 Strike Price) ¹	8/10/2018	(13)	\$2.1452
Short Sale of September 2018 Put Options (\$42.50 Strike Price) ¹	8/20/2018	(39)	\$2.0569
Short Sale of September 2018 Put Options (\$42.50 Strike Price) ¹	8/21/2018	(21)	\$1.8500
Purchase of Common Stock	8/24/2018	8,106	\$44.9429
Purchase of Common Stock	8/27/2018	2,647	\$44.9964
Purchase of Common Stock	8/27/2018	5,328	\$44.9748
Purchase of September 2018 Put Options (\$40.00 Strike Price) ²	8/27/2018	24	\$0.4500
Purchase of September 2018 Put Options (\$42.50 Strike Price) ²	8/27/2018	41	\$1.0000
Purchase of September 2018 Put Options (\$40.00 Strike Price) ²	8/28/2018	8	\$0.3995
Purchase of September 2018 Put Options (\$42.50 Strike Price) ²	8/28/2018	19	\$0.8487
Short Sale of September 2018 Put Options (\$49.00 Strike Price) ¹	8/28/2018	(21)	\$4.0000
Purchase of Common Stock	8/29/2018	5,096	\$46.6668
Purchase of Common Stock	8/29/2018	4,633	\$46.7587
Purchase of Common Stock	8/29/2018	4,633	\$46.7876
Purchase of Common Stock	8/29/2018	4,054	\$46.6911
Purchase of Common Stock	8/30/2018	3,071	\$46.0870
Purchase of Common Stock ³	9/21/2018	2,100	\$45.0104

¹ Represents American-style put option sold short in the over-the-counter market, all of which were covered or assigned on or prior to September 21, 2018, the expiration date.

² Represents American-style put option purchased in the over-the-counter market to cover short sale of option with an expiration date of September 21, 2018.

³ Represents Shares underlying American-style put options that were assigned. These put options had a strike price of \$49.00 and would have expired on September 21, 2018.

LEGION PARTNERS SPECIAL OPPORTUNITIES, L.P. I

Purchase of Common Stock 9/10/2018 83,120 \$46.4863
Purchase of Common Stock 9/11/2018 68,683 \$46.8253
Purchase of Common Stock 9/11/2018 90,428 \$46.6188
Purchase of Common Stock 9/12/2018 116,153 \$46.5013
Purchase of Common Stock 9/12/2018 75,000 \$46.4986
Purchase of Common Stock 9/14/2018 4,200 \$46.4807
Purchase of Common Stock 9/17/2018 68,309 \$46.3981
Purchase of Common Stock 9/18/2018 119,923 \$46.3512
Purchase of Common Stock 9/20/2018 25,300 \$46.4531
Purchase of Common Stock 9/24/2018 64,729 \$45.7521
Purchase of Common Stock 9/25/2018 86,700 \$46.4138

LEGION PARTNERS HOLDINGS, LLC

Purchase of Common Stock 9/25/2018 100 \$46.4733

CALIFORNIA STATE TEACHERS' RETIREMENT SYSTEM

Sale of Common Stock 9/21/2018 (287) \$46.2330
Purchase of Common Stock 9/21/2018 225 \$46.2356
Purchase of Common Stock 9/25/2018 58,225 \$46.32
Sale of Common Stock 9/25/2018 (225) \$46.32
Purchase of Common Stock 9/25/2018 187 \$46.49
Purchase of Common Stock 9/27/2018 187 \$50.14
Sale of Common Stock 9/27/2018 (187) \$50.14