

BANK OF AMERICA CORP /DE/  
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**Registration Statement No. 333-202354**

Product Supplement No. COMM ARN-1

(To Prospectus dated May 1, 2015

and Series L Prospectus Supplement dated January 20, 2016)

March 4, 2016

**Accelerated Return Notes<sup>®</sup> ARNs<sup>®</sup> Linked to One or More Commodities, Related Futures Contracts or Commodity Indices**

ARNs are unsecured senior notes issued by Bank of America Corporation. Any payments due on ARNs, including any repayment of principal, will be subject to the credit risk of Bank of America Corporation.

ARNs do not guarantee the return of principal at maturity, and we will not pay interest on ARNs. Instead, the return on ARNs will be based on the performance of an underlying **Market Measure**, which will be a commodity, a futures contract on a commodity, a commodity index, or a basket of the foregoing.

ARNs provide an opportunity to earn a multiple (which will be 3 times, unless otherwise set forth in the applicable term sheet) of the positive performance of the Market Measure, up to a specified cap ( **Capped Value** ), while exposing you to any negative performance of the Market Measure on a 1-to-1 basis.

If the value of the Market Measure increases from its Starting Value to its Ending Value (each as defined below), you will receive at maturity a cash payment per unit (the **Redemption Amount** ) that equals the principal amount plus a multiple of that increase, up to the Capped Value.

If the value of the Market Measure decreases from its Starting Value to its Ending Value, you will be subject to 1-to-1 downside exposure to that decrease. In such case, you may lose all or a significant portion of your investment in the ARNs.

This product supplement describes the general terms of ARNs, the risk factors to consider before investing, the general manner in which they may be offered and sold, and other relevant information.

For each offering of ARNs, we will provide you with a pricing supplement (which we refer to as a **term sheet** ) that will describe the specific terms of that offering, including the specific Market Measure, the Capped Value, and certain risk factors. The term sheet will identify, if applicable, any additions or changes to the terms specified in this product supplement.

ARNs will be issued in denominations of whole units. Unless otherwise set forth in the applicable term sheet, each unit will have a principal amount of \$10. The term sheet may also set forth a minimum number of units that you must purchase.

Unless otherwise specified in the applicable term sheet, ARNs will not be listed on a securities exchange or quotation system.

One or more of our affiliates, including Merrill Lynch, Pierce, Fenner & Smith Incorporated ( **MLPF&S** ), may act as our selling agents to offer ARNs and will act in a principal capacity in such role.

*ARNs are unsecured and are not savings accounts, deposits, or other obligations of a bank. ARNs are not guaranteed by Bank of America, N.A. or any other bank, are not insured by the Federal Deposit Insurance Corporation (the **FDIC** ) or any other governmental agency and involve investment risks. Potential purchasers of ARNs should consider the information in **Risk Factors** beginning on page PS-6 of this product supplement, page S-5 of the accompanying Series L prospectus supplement, and page 9 of the accompanying prospectus. **You may lose all or a significant portion of your investment in ARNs.***

*None of the Securities and Exchange Commission (the **SEC** ), any state securities commission, or any other regulatory body has approved or disapproved of these securities or passed upon the adequacy or accuracy of this product supplement, the prospectus supplement, or the prospectus. Any representation to the contrary is a criminal offense.*

**Merrill Lynch & Co.**

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ARNs<sup>®</sup> and Accelerated Return Note<sup>®</sup> are our registered service marks.

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**SUMMARY**

The information in this Summary section is qualified in its entirety by the more detailed explanation set forth elsewhere in this product supplement, the prospectus supplement, and the prospectus, as well as the applicable term sheet. Neither we nor MLPF&S have authorized any other person to provide you with any information different from the information set forth in these documents. If anyone provides you with different or inconsistent information about the ARNs, you should not rely on it.

**Key Terms:**

**General:** ARNs are senior debt securities issued by Bank of America Corporation, and are not guaranteed or insured by the FDIC or secured by collateral. They rank equally with all of our other unsecured senior debt from time to time outstanding. **Any payments due on ARNs, including any repayment of principal, are subject to our credit risk.**

The return on ARNs will be based on the performance of a Market Measure and there is no guaranteed return of principal at maturity. Therefore, you may lose all or a significant portion of your investment if the value of the Market Measure decreases from the Starting Value to the Ending Value.

Each issue of ARNs will mature on the date set forth in the applicable term sheet. We cannot redeem ARNs at any earlier date. We will not make any payments on ARNs until maturity, and you will not receive interest payments.

**Market Measure:** The Market Measure may consist of one or more of the following:

commodities;

futures contracts on a commodity;

commodity indices; or

any combination of the above.

The Market Measure may consist of a group, or **Basket**, of the foregoing. We refer to each component included in any Basket as a **Basket Component**. If the Market Measure to which your ARNs are linked is a Basket, the Basket Components will be set forth in the applicable term sheet.

**Market Measure Performance:** The performance of the Market Measure will be measured according to the percentage change of the Market Measure from its Starting Value to its Ending Value.

Unless otherwise specified in the applicable term sheet:

The **Starting Value** will equal the closing value of the Market Measure on the date when the ARNs are priced for initial sale to the public (the **pricing date**).

See Description of ARNs Market Disruption Events Starting Value in the case of a Market Disruption Event (as defined below) on the pricing date.

If the Market Measure consists of a Basket, the Starting Value will be equal to 100. See Description of ARNs Basket Market Measures.

The **Ending Value** will equal the closing value of the Market Measure on the calculation day (as defined below).

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If a Market Disruption Event (as defined below) occurs and is continuing on the calculation day, or if certain other events occur, the calculation agent will determine the Ending Value as set forth in the section Description of ARNs Market Disruption Events Ending Value.

If the Market Measure consists of a Basket, the Ending Value will be determined as described in Description of ARNs Basket Market Measures Ending Value of the Basket.

**Participation Rate:** The rate at which investors participate in the increase in the value of the Market Measure, as calculated below. The Participation Rate will be 300% for ARNs, unless otherwise set forth in the applicable term sheet.

**Capped Value:** The maximum Redemption Amount. Your investment return is limited to the amount represented by the Capped Value specified in the applicable term sheet. We will determine the applicable Capped Value on the pricing date of each issue of ARNs.

**Redemption Amount at Maturity:** At maturity, you will receive a Redemption Amount that is greater than the principal amount if the value of the Market Measure increases from the Starting Value to the Ending Value. However, in no event will the Redemption Amount exceed the Capped Value. If the value of the Market Measure decreases from the Starting Value to the Ending Value, you will be subject to 1-to-1 downside exposure to that decrease, and will receive a Redemption Amount that is less than the principal amount.

**Any payments due on the ARNs, including repayment of principal, are subject to our credit risk as issuer of ARNs.**

The Redemption Amount, denominated in U.S. dollars, will be calculated as follows:

**Principal at Risk:** You may lose all or a significant portion of the principal amount of the ARNs. Further, if you sell your ARNs prior to maturity, you may find that the market value per ARN is less than the price that you paid for the ARNs.

**Calculation Agent:** The calculation agent will make all determinations associated with the ARNs. Unless otherwise set forth in the applicable term sheet, we will appoint our affiliate, MLPF&S, or one of our other affiliates, to act as calculation agent for the ARNs. See the section entitled Description of ARNs Role of the Calculation Agent.

**Selling Agents:** One or more of our affiliates, including MLPF&S, will act as our selling agents in connection with each offering of ARNs and will receive a commission or an underwriting discount based on the number of units of ARNs sold. None of the selling agents is your fiduciary or advisor solely as a result of the making of any offering of ARNs, and you should not rely upon this product supplement, the term sheet, or the accompanying prospectus or prospectus supplement as investment advice or a recommendation to purchase ARNs.

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**Listing:** Unless otherwise specified in the applicable term sheet, the ARNs will not be listed on a securities exchange or quotation system.

This product supplement relates only to ARNs and does not relate to any commodities, futures contracts or commodity indices that composes the Market Measure described in any term sheet. You should read carefully the entire prospectus, prospectus supplement, and product supplement, together with the applicable term sheet, to understand fully the terms of your ARNs, as well as the tax and other considerations important to you in making a decision about whether to invest in any ARNs. In particular, you should review carefully the section in this product supplement entitled Risk Factors, which highlights a number of risks of an investment in ARNs, to determine whether an investment in ARNs is appropriate for you. If information in this product supplement is inconsistent with the prospectus or prospectus supplement, this product supplement will supersede those documents. However, if information in any term sheet is inconsistent with this product supplement, that term sheet will supersede this product supplement.

Neither we nor any selling agent is making an offer to sell ARNs in any jurisdiction where the offer or sale is not permitted.

Certain capitalized terms used and not defined in this product supplement have the meanings ascribed to them in the prospectus supplement and prospectus. Unless otherwise indicated or unless the context requires otherwise, all references in this product supplement to we, us, our, or similar references are to Bank of America Corporation.

You are urged to consult with your own attorneys and business and tax advisors before making a decision to purchase any ARNs.

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**RISK FACTORS**

*Your investment in ARNs is subject to investment risks, many of which differ from those of a conventional debt security. Your decision to purchase ARNs should be made only after carefully considering the risks, including those discussed below, in light of your particular circumstances. ARNs are not an appropriate investment for you if you are not knowledgeable about the material terms of ARNs or investments in commodities, futures contracts on commodities, or commodity-based indices in general.*

**General Risks Relating to ARNs**

**Your investment may result in a loss; there is no guaranteed return of principal.** There is no fixed principal repayment amount on ARNs at maturity. The return on ARNs will be based on the performance of a Market Measure and therefore, you may lose all or a significant portion of your investment if the value of the Market Measure decreases from the Starting Value to the Ending Value. If the Ending Value is less than the Starting Value, then you will receive a Redemption Amount at maturity that will be less than the principal amount of your ARNs.

**Your return on the ARNs may be less than the yield on a conventional fixed or floating rate debt security of comparable maturity.** There will be no periodic interest payments on ARNs as there would be on a conventional fixed-rate or floating-rate debt security having the same maturity. Any return that you receive on ARNs may be less than the return you would earn if you purchased a conventional debt security with the same maturity date. As a result, your investment in ARNs may not reflect the full opportunity cost to you when you consider factors, such as inflation, that affect the time value of money.

**Your investment return is limited to the return represented by the Capped Value and may be less than a comparable investment directly in the Market Measure.** The appreciation potential of ARNs is limited to the Capped Value. You will not receive a Redemption Amount greater than the Capped Value, regardless of the appreciation of the Market Measure. In contrast, a direct investment in the Market Measure (or the components of the Market Measure) would allow you to receive the full benefit of any appreciation in the value of the Market Measure (or those components).

Additionally, the Market Measure may consist of one or more commodities, futures contracts or commodity indices that include components traded in a non-U.S. currency. If the value of that currency strengthens against the U.S. dollar during the term of your ARNs, you may not obtain the benefit of that increase, which you would have received if you had owned the commodities or futures contracts represented by the Market Measure.

**Payments on ARNs are subject to our credit risk, and actual or perceived changes in our creditworthiness are expected to affect the value of ARNs.** ARNs are our senior unsecured debt securities. As a result, your receipt of the Redemption Amount at maturity is dependent upon our ability to repay our obligations on the maturity date, regardless of whether the Market Measure increases from the Starting Value to the Ending Value. No assurance can be given as to what our financial condition will be on the maturity date. If we become unable to meet our financial obligations as they become due, you may not receive the amounts payable under the terms of the ARNs.

In addition, our credit ratings are an assessment by ratings agencies of our ability to pay our obligations. Consequently, our perceived creditworthiness and actual or anticipated decreases in our credit ratings or increases in the spread between the yield on our securities



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and the yield on U.S. Treasury securities (the credit spread) prior to the maturity date may adversely affect the market value of ARNs. However, because your return on ARNs depends upon factors in addition to our ability to pay our obligations, such as the value of the Market Measure, an improvement in our credit ratings will not reduce the other investment risks related to ARNs.

**The initial estimated value of the ARNs considers certain assumptions and variables and relies in part on certain forecasts about future events, which may prove to be incorrect.** The initial estimated value of the ARNs, which will be set forth in the applicable term sheet, is an estimate only, determined as of a particular point in time by reference to our and our affiliates' pricing models. These pricing models consider certain assumptions and variables, including our credit spreads, our internal funding rate on the pricing date, mid-market terms on hedging transactions, expectations on interest rates and volatility, price-sensitivity analysis, and the expected term of the ARNs. These pricing models rely in part on certain forecasts about future events, which may prove to be incorrect.

**The public offering price you pay for the ARNs will exceed the initial estimated value.** If you attempt to sell the ARNs prior to maturity, their market value may be lower than the price you paid for them and lower than the initial estimated value. This is due to, among other things, changes in the value of the Market Measure, our internal funding rate, and the inclusion in the public offering price of the underwriting discount and an expected hedging related charge. These factors, together with various credit, market and economic factors over the term of the ARNs, are expected to reduce the price at which you may be able to sell the ARNs in any secondary market and will affect the value of the ARNs in complex and unpredictable ways.

The initial estimated value does not represent a minimum or maximum price at which we, MLPF&S or any of our affiliates would be willing to purchase your ARNs in any secondary market (if any exists) at any time. The value of your ARNs at any time after issuance will vary based on many factors that cannot be predicted with accuracy, including the performance of the Market Measure, our creditworthiness and changes in market conditions.

**We cannot assure you that there will be a trading market for your ARNs.** If a secondary market exists, we cannot predict how the ARNs will trade, or whether that market will be liquid or illiquid. The development of a trading market for ARNs will depend on various factors, including our financial performance and changes in the value of the Market Measure. The number of potential buyers of your ARNs in any secondary market may be limited. There is no assurance that any party will be willing to purchase your ARNs at any price in any secondary market.

We anticipate that one or more of the selling agents will act as a market-maker for ARNs that it offers, but none of them is required to do so and may cease to do so at any time. Any price at which a selling agent may bid for, offer, purchase, or sell any of the ARNs may be higher or lower than the applicable public offering price, and that price may differ from the values determined by pricing models that it may use, whether as a result of dealer discounts, mark-ups, or other transaction costs. These bids, offers, or transactions may affect the prices, if any, at which those ARNs might otherwise trade in the market. In addition, if at any time any selling agent were to cease acting as a market-maker for any issue of ARNs, it is likely that there would be significantly less liquidity in that secondary market. In such a case, the price at which those ARNs could be sold likely would be lower than if an active market existed.

Unless otherwise stated in the term sheet, we will not list ARNs on any securities exchange. Even if an application were made to list your ARNs, we cannot assure you that the

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application will be approved or that your ARNs will be listed and, if listed, that they will remain listed for their entire term. The listing of ARNs on any securities exchange will not necessarily ensure that a trading market will develop, and if a trading market does develop, that there will be liquidity in the trading market.

**The Redemption Amount will not reflect changes in the value of the Market Measure other than on the calculation day.** Changes in the value of the Market Measure during the term of ARNs other than on the calculation day will not be reflected in the calculation of the Redemption Amount. To calculate the Redemption Amount, the calculation agent will compare only the Ending Value to the Starting Value. No other values of the Market Measure will be taken into account. As a result, even if the value of the Market Measure has increased at certain times during the term of the ARNs, you will receive a Redemption Amount that is less than the principal amount if the Ending Value is less than the Starting Value.

**If your ARNs are linked to a Basket, changes in the levels of one or more of the Basket Components may be offset by changes in the levels of one or more of the other Basket Components.** The Market Measure of your ARNs may be a Basket. In such a case, changes in the levels of one or more of the Basket Components may not correlate with changes in the levels of one or more of the other Basket Components. The levels of one or more Basket Components may increase, while the levels of one or more of the other Basket Components may decrease or not increase as much. Therefore, in calculating the value of the Market Measure at any time, increases in the level of one Basket Component may be moderated or wholly offset by decreases or lesser increases in the levels of one or more of the other Basket Components. If the weightings of the applicable Basket Components are not equal, adverse changes in the levels of the Basket Components which are more heavily weighted could have a greater impact upon your ARNs.

**The publisher of an index may adjust that index in a way that affects its level, and no publisher has an obligation to consider your interests.** The publisher of any index to which your ARNs are linked (each, an **Index Publisher** ) can add, delete, or substitute the components included in that index or make other methodological changes that could change its level. A new component included in an index may perform significantly better or worse than the replaced component, and the performance will impact the level of the applicable index. Additionally, an Index Publisher may alter, discontinue, or suspend calculation or dissemination of an index. Any of these actions could adversely affect the value of the Market Measure and, consequently, the market value of your ARNs. No Index Publisher will have any obligation to consider your interests in calculating or revising any index.

**Exchange rate movements may impact the value of ARNs.** If any component included in an index is traded in a currency other than U.S. dollars and, for purposes of that index, is converted into U.S. dollars, then the value of the Market Measure may depend in part on the relevant exchange rates. If the value of the U.S. dollar increases against the currencies of that index, the level of the applicable index may be adversely affected and the Redemption Amount may be reduced.

Exchange rate movements may be particularly impacted by existing and expected rates of inflation and interest rate levels, the balance of payments, and the extent of governmental surpluses or deficits in the countries relevant to the applicable index and the United States. All of these factors are in turn sensitive to the monetary, fiscal, and trade policies pursued by the governments of those countries and the United States and other countries important to international trade and finance.

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**If you attempt to sell ARNs prior to maturity, their market value, if any, will be affected by various factors that interrelate in complex ways, and their market value may be less than the principal amount.** You have no right to have your ARNs redeemed prior to maturity. If you wish to liquidate your investment in ARNs prior to maturity, your only option would be to sell them. At that time, there may be an illiquid market for your ARNs or no market at all. Even if you were able to sell your ARNs, there are many factors outside of our control that may affect their market value, some of which, but not all, are stated below. The impact of any one factor may be offset or magnified by the effect of another factor. The following paragraphs describe a specific factor's expected impact on the market value of ARNs, assuming all other conditions remain constant.

**Value of the Market Measure.** We anticipate that the market value of ARNs prior to maturity generally will depend to a significant extent on the value of the Market Measure. In general, it is expected that the market value of ARNs will decrease as the value of the Market Measure decreases, and increase as the value of the Market Measure increases. However, as the value of the Market Measure increases or decreases, the market value of ARNs is not expected to increase or decrease at the same rate. If you sell your ARNs when the value of the Market Measure is less than, or not sufficiently above the applicable Starting Value, then you may receive less than the principal amount of your ARNs.

In addition, because the Redemption Amount will not exceed the applicable Capped Value, we do not expect that the ARNs will trade in any secondary market at a price that is greater than the Capped Value.

**Volatility of the Market Measure.** Volatility is the term used to describe the size and frequency of market fluctuations. The volatility of the Market Measure during the term of the ARNs may vary. In addition, an unsettled international environment and related uncertainties may result in greater market volatility, which may continue over the term of the ARNs. Increases or decreases in the volatility of the Market Measure may have an adverse impact on the market value of ARNs. Even if the value of the Market Measure increases after the applicable pricing date, if you are able to sell your ARNs before their maturity date, you may receive substantially less than the amount that would be payable at maturity based on that value because of the anticipation that the value of the Market Measure will continue to fluctuate until the Ending Value is determined.

**Economic and Other Conditions Generally.** The general economic conditions of the capital markets in the United States, as well as geopolitical conditions and other financial, political, regulatory, and judicial events and related uncertainties that affect commodity markets generally, may adversely affect the value of the Market Measure and the market value of ARNs. If the Market Measure includes one or more indices that have returns that are calculated based upon commodities prices in one or more non-U.S. markets (a **non-U.S. Market Measure**), the value of your ARNs may also be affected by similar events in the markets of the relevant foreign countries.

**Interest Rates.** We expect that changes in interest rates will affect the market value of ARNs. In general, if U.S. interest rates increase, we expect that the market value of ARNs will decrease, and conversely, if U.S. interest rates decrease, we expect that the market value of ARNs will increase. In general, we expect that the longer the amount of time that remains until maturity, the more significant the impact of these changes will be on the value of the ARNs. In the case of non-U.S. Market Measures, the level of interest rates in the relevant foreign countries may also affect their economies and in turn the value of the non-U.S. Market Measure, and, thus, the market

value of the ARNs may be adversely affected.

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**Exchange Rate Movements and Volatility.** If the Market Measure of your ARNs includes any non-U.S. Market Measures, changes in, and the volatility of, the exchange rates between the U.S. dollar and the relevant non-U.S. currency or currencies could have a negative impact on the value of your ARNs, and the Redemption Amount may depend in part on the relevant exchange rates. In addition, the correlation between the relevant exchange rate and any applicable non-U.S. Market Measure reflects the extent to which a percentage change in that exchange rate corresponds to a percentage change in the applicable non-U.S. Market Measure, and changes in these correlations may have a negative impact on the value of your ARNs.

**Our Financial Condition and Creditworthiness.** Our perceived creditworthiness, including any increases in our credit spreads and any actual or anticipated decreases in our credit ratings, may adversely affect the market value of the ARNs. In general, we expect the longer the amount of time that remains until maturity, the more significant the impact will be on the value of the ARNs. However, a decrease in our credit spreads or an improvement in our credit ratings will not necessarily increase the market value of ARNs.

**Time to Maturity.** There may be a disparity between the market value of the ARNs prior to maturity and their value at maturity. This disparity is often called a time value, premium, or discount, and reflects expectations concerning the value of the Market Measure prior to the maturity date. As the time to maturity decreases, this disparity may decrease, such that the value of the ARNs will approach the expected Redemption Amount to be paid at maturity.

**Trading and hedging activities by us and our affiliates may affect your return on the ARNs and their market value.** We and our affiliates, including the selling agents, may buy or sell the commodities or futures contracts represented by or included in the Market Measure, or futures or options contracts on the Market Measure or its components. We may execute such purchases or sales for our own accounts, for business reasons, or in connection with hedging our obligations under ARNs. These transactions could affect the value of a Market Measure in a manner that could be adverse to your investment in ARNs. On or before the applicable pricing date, any purchases or sales by us, our affiliates or others on our behalf may increase the value of a Market Measure. Consequently, the values of that Market Measure may decrease subsequent to the pricing date of an issue of ARNs, adversely affecting the market value of ARNs.

We, or one or more of our affiliates, including the selling agents, may also engage in hedging activities that could increase the value of the Market Measure on the applicable pricing date. In addition, these activities may decrease the market value of your ARNs prior to maturity, including on the calculation day, and may affect the Redemption Amount. We or one or more of our affiliates, including the selling agents, may purchase or otherwise acquire a long or short position in ARNs, and may hold or resell ARNs. For example, the selling agents may enter into these transactions in connection with any market making activities in which they engage. We cannot assure you that these activities will not adversely affect the value of the Market Measure, the market value of your ARNs prior to maturity or the Redemption Amount.

**Our trading, hedging and other business activities may create conflicts of interest with you.** We or one or more of our affiliates, including the selling agents, may engage in trading activities related to the Market Measure and to components included in the Market Measure (and related futures and options contracts on the Market Measure or its components) that are not for your account or on your behalf. We or one or more of our affiliates, including





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the selling agents, also may issue or underwrite other financial instruments with returns based upon the applicable Market Measure or its components. These trading and other business activities may present a conflict of interest between your interest in ARNs and the interests we and our affiliates, including the selling agents, may have in our proprietary accounts, in facilitating transactions, including block trades, for our or their other customers, and in accounts under our or their management. These trading and other business activities, if they influence the value of the Market Measure or secondary trading in your ARNs, could be adverse to your interests as a beneficial owner of ARNs.

We expect to enter into arrangements or adjust or close out existing transactions to hedge our obligations under the ARNs. We or our affiliates also may enter into hedging transactions relating to other notes or instruments that we issue, some of which may have returns calculated in a manner related to that of a particular issue of ARNs. We may enter into such hedging arrangements with one of our subsidiaries or affiliates. Such a party may enter into additional hedging transactions with other parties relating to ARNs and the applicable Market Measure. This hedging activity is expected to result in a profit to those engaging in the hedging activity, which could be more or less than initially expected, or the hedging activity could also result in a loss. We or our affiliates will price these hedging transactions with the intent to realize a profit, regardless of whether the value of ARNs increases or decreases. Any profit in connection with such hedging activities will be in addition to any other compensation that we and our affiliates, including the selling agents, receive for the sale of ARNs, which creates an additional incentive to sell ARNs to you.

**There may be potential conflicts of interest involving the calculation agent. We have the right to appoint and remove the calculation agent.** One of our affiliates will be the calculation agent for ARNs and, as such, will determine the Starting Value, the Ending Value, and the Redemption Amount. Under some circumstances, these duties could result in a conflict of interest between its status as our affiliate and its responsibilities as calculation agent. These conflicts could occur, for instance, in connection with the calculation agent's determination as to whether a Market Disruption Event has occurred, or in connection with judgments that it would be required to make if the publication of an index is discontinued. See the sections entitled Description of ARNs Market Disruption Events, Adjustments to a Market Measure, and Discontinuance of a Market Measure. The calculation agent will be required to carry out its duties in good faith and use its reasonable judgment. However, because we expect to control the calculation agent, potential conflicts of interest could arise.

**The U.S. federal income tax consequences of an investment in ARNs are uncertain, and may be adverse to a holder of ARNs.** No statutory, judicial, or administrative authority directly addresses the characterization of ARNs or securities similar to ARNs for U.S. federal income tax purposes. As a result, significant aspects of the U.S. federal income tax consequences of an investment in ARNs are not certain. Under the terms of ARNs, you will have agreed with us to treat ARNs as single financial contracts, as described under U.S. Federal Income Tax Summary General. If the Internal Revenue Service (the IRS) were successful in asserting an alternative characterization for ARNs, the timing and character of gain or loss with respect to ARNs may differ. No ruling will be requested from the IRS with respect to ARNs and no assurance can be given that the IRS will agree with the statements made in the section entitled U.S. Federal Income Tax Summary.

**You are urged to consult with your own tax advisor regarding all aspects of the U.S. federal income tax consequences of investing in ARNs.**

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### **Risks Relating to the Market Measures**

**You must rely on your own evaluation of the merits of an investment linked to the applicable Market Measure.** In the ordinary course of their businesses, our affiliates may have expressed views on expected movements in a Market Measure or its components, and may do so in the future. These views or reports may be communicated to our clients and clients of our affiliates. However, these views are subject to change from time to time. Moreover, other professionals who deal in markets relating to a Market Measure may at any time have significantly different views from those of our affiliates. For these reasons, you are encouraged to derive information concerning a Market Measure from multiple sources, and you should not rely on the views expressed by our affiliates.

**Ownership of ARNs will not entitle you to any rights with respect to any commodities or futures contracts represented by or included in the Market Measure.** You will not own or have any beneficial or other legal interest in any of the commodities or futures contracts represented by or included in the Market Measure. We will not invest in any of the commodities or futures contracts represented by or included in that Market Measure for your benefit.

**The prices of commodities represented by or included in the Market Measure may change unpredictably, affecting the value of your ARNs in unforeseeable ways.** Trading in commodities and futures contracts is speculative and can be extremely volatile. Their market prices may fluctuate rapidly based on numerous factors, including: changes in supply and demand relationships; weather; agriculture; trade; fiscal, monetary, and exchange control programs; domestic and foreign political and economic events and policies; disease; technological developments; and changes in interest rates. These factors may adversely affect the value of a Market Measure or its components in varying ways, and different factors may cause the levels and volatilities of commodity prices to move in inconsistent directions at inconsistent rates. Additionally, certain Market Measures or Basket Components may relate to a single industry (e.g., energy). These Market Measures and Basket Components are likely to be more volatile than other types of market measures which represent a broad base of commodities.

**Suspension or disruptions of market trading in the applicable commodities and related futures contracts may adversely affect the value of ARNs.** The commodity markets are subject to disruptions due to various factors, including the lack of liquidity in the markets, the participation of speculators and government regulation and intervention. In addition, U.S. futures exchanges and some foreign exchanges have regulations that limit the amount of fluctuation in futures contract prices that may occur during a single business day. These limits are generally referred to as daily price fluctuation limits, and the maximum or minimum price of a contract on any given day as a result of these limits is referred to as a limit price. Once the limit price has been reached in a particular contract, no trades may be made at a different price. Limit prices have the effect of precluding trading in a particular contract or forcing the liquidation of contracts at disadvantageous times or prices. Any such disruption, or any other force majeure (such as an act of God, fire, flood, severe weather conditions, act of governmental authority, labor difficulty, etc.), could have an adverse effect on the value of or trading in the Market Measure, or the manner in which it is calculated, and therefore, the value of ARNs.

**Changes in exchange methodology may adversely affect the value of ARNs prior to maturity.** The value of a Market Measure will be determined by reference to fixing prices, spot prices, or related futures contracts of the commodities represented by or included in a Market Measure, as determined by the applicable exchange or as otherwise set forth in the applicable

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term sheet. An exchange may from time to time change its rules or take extraordinary actions under its rules, which could adversely affect the prices of the applicable commodities or futures contracts, which could reduce the value of the Market Measure and the value of ARNs.

In addition, some fixing prices or spot prices are derived from a principals' market, which operates as an over the counter ( OTC ) physical commodity market. Although market-making members of principals' markets are typically supervised by regulating entities, the principals' markets themselves are not regulated. If any tax or other form of regulation should affect the members of the relevant principals' market, the role of the principals' market as a benchmark for the applicable commodity may be affected.

**Legal and regulatory changes could adversely affect the return on and value of your ARNs.** The value of the underlying commodities or futures contracts could be adversely affected by new laws or regulations or by the reinterpretation of existing laws or regulations (including, without limitation, those related to taxes and duties on commodities and futures contracts) by one or more governments, courts, or other official bodies.

In the U.S., the regulation of commodity transactions is subject to ongoing modification by governmental and judicial action. For example, the U.S. Commodity Futures Trading Commission ( CFTC ) has interpreted the Dodd-Frank Wall Street Reform and Consumer Protection Act ( Dodd-Frank ), which was enacted in July 2010, to require the CFTC to impose limits on the size of positions that can be held by market participants in futures contracts and OTC derivatives on certain physical commodities. The CFTC's rules providing for such position limits have been, and may in the future be, subject to litigation challenging their validity, the potential final outcome of which cannot be known at this time. While the ultimate scope and effect of any final and implemented position limit rules are not yet known, these limits will likely restrict the ability of many market participants to trade in the commodities markets to the same extent as they have in the past, including affecting their ability to enter into or maintain hedge positions in the applicable commodity or futures contracts. These rules and various other legislative and regulatory requirements may, among other things, reduce liquidity, increase market volatility, and increase costs in these markets. These consequences could adversely affect the applicable Market Measure and the value of your ARNs.

In addition, other governmental or regulatory bodies (such as the European Commission) have proposed or may propose in the future legislation or regulations containing restrictions similar to those contemplated by Dodd-Frank, or other legislation or regulations containing other restrictions that could adversely impact the liquidity of and increase costs of participating in the commodities markets. If such legislation or regulations are adopted or other legislation or regulations are adopted in the future, they could have an adverse effect on the value of the applicable Market Measure and your ARNs.

**ARNs will not be regulated by the CFTC.** Unlike an investment in the ARNs, an investment in a collective investment vehicle that invests in futures contracts on behalf of its participants may be regulated as a commodity pool and its operator may be required to be registered with and regulated by the CFTC as a commodity pool operator (a CPO ). Because the ARNs will not be interests in a commodity pool, the ARNs will not be regulated by the CFTC as a commodity pool, we will not be registered with the CFTC as a CPO, and you will not benefit from the CFTC's or any non-U.S. regulatory authority's regulatory protections afforded to persons who trade in futures contracts or who invest in regulated commodity pools. The ARNs will not constitute investments by you or by us on your behalf in futures contracts traded on regulated futures exchanges, which may only be transacted through a person registered with the CFTC as a futures commission merchant ( FCM ). We are not registered

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with the CFTC as an FCM and you will not benefit from the CFTC's or any other non-U.S. regulatory authority's regulatory protections afforded to persons who trade in futures contracts on a regulated futures exchange through a registered FCM.

**A Market Measure may include commodities or futures contracts traded on foreign exchanges that are less regulated than U.S. markets and may involve different and greater risks than trading on U.S. exchanges.** A Market Measure may include commodities or futures contracts that trade on exchanges located outside the U.S. The regulations of the CFTC do not apply to trading on foreign exchanges, and trading on foreign exchanges may involve different and greater risks than trading on U.S. exchanges. Certain foreign markets may be more susceptible to disruption than U.S. exchanges due to the lack of a government-regulated clearinghouse system. Trading on foreign exchanges also involves certain other risks that are not applicable to trading on U.S. exchanges. Those risks include: (a) exchange rate risk relative to the U.S. dollar; (b) exchange controls; (c) expropriation; (d) burdensome or confiscatory taxation; and (e) moratoriums, and political or diplomatic events. It may also be more costly and difficult for participants in those markets to enforce the laws or regulations of a foreign country or exchange, and it is possible that the foreign country or exchange may not have laws or regulations which adequately protect the rights and interests of investors in the relevant contracts. These factors could reduce the value of the applicable Market Measure and the value of your ARNs.

**If a Market Measure includes a commodity index, contango markets may have a negative effect on the level on that index, and therefore the value of ARNs.** A Market Measure may include a commodity index. Commodity indices generally reflect movements in commodity prices by measuring the values of futures contracts for the applicable commodities. To maintain the index, as futures contracts approach expiration, they are replaced by similar contracts that have a later expiration. This process is referred to as rolling. The level of the index is calculated as if the expiring futures contracts are sold and the proceeds from those sales are used to purchase longer-dated futures contracts. The difference in the prices of the contracts that are sold and the new contracts for more distant delivery that are purchased is called roll yield.

If the expiring futures contract included in the index is rolled into a less expensive futures contract with a more distant delivery date, the market for that futures contract is trading in backwardation. In this case, the effect of the roll yield on the level of the applicable index will be positive because it costs less to replace the expiring futures contract. However, if the expiring futures contract included in the index is rolled into a more expensive futures contract with a more distant delivery date, the market for that futures contract is trading in contango. In this case, the effect of the roll yield on the level of the index will be negative because it costs more to replace the expiring futures contract.

There can be no assurance that the markets for any specific commodity will consistently be in backwardation or that there will be a positive roll yield that increases the level of any applicable index. If all other factors remain constant, the presence of contango in the market for a commodity included in an index could result in negative roll yield, which could decrease the level of that index and the value of ARNs.

**Changes in the composition and valuation of a commodity index may adversely affect the value of ARNs.** The composition of a commodity index may change over time as additional commodities satisfy the eligibility criteria or commodities or futures contracts currently included in that index fail to satisfy such criteria. The weighting factors applied to each commodity included in an index may change over time, based on changes in commodity prices, commodity forward curves, production statistics, or other factors. In addition, the

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index sponsor may modify the methodology for determining the composition and weighting of that index and for calculating its value in order to assure that that index represents a measure of the performance over time of the markets for the applicable commodities. Modifications to the methodology for determining the commodities or futures contracts to be included in an index and for valuing that index may be made in the future. These changes could adversely affect the level of that index, and the value of ARNs.

In addition, the index sponsor may discontinue or suspend calculation or dissemination of an index or materially alter the methodology by which it calculates an index. Any such actions could affect the value of ARNs. See [Description of ARNs](#) [Adjustments to a Market Measure](#) and [Discontinuance of a Market Measure](#).

We are not responsible for the actions or public disclosure of information of any principals' market or exchange on which a Market Measure or Basket Component trades. Neither we nor any of our affiliates, including the selling agents, is responsible for the adequacy or accuracy of the prices determined by these entities relating to the Market Measure. You should make your own investigation into the applicable Market Measure and how it is traded. None of the principals' markets or any exchange on which a Market Measure or component of a Market Measure trades will be involved in any offering of ARNs in any way and none of them has any obligation to consider your interests in taking any actions that might affect the value of ARNs.

**Other Risk Factors Relating to the Applicable Market Measure**

The applicable term sheet may set forth additional risk factors as to the Market Measure that you should review prior to purchasing ARNs.

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**USE OF PROCEEDS**

We will use the net proceeds we receive from each sale of ARNs for the purposes described in the accompanying prospectus under Use of Proceeds. In addition, we expect that we or our affiliates may use a portion of the net proceeds to hedge our obligations under ARNs.

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**DESCRIPTION OF ARNS**

**General**

Each issue of ARNs will be part of a series of medium-term notes entitled **Medium-Term Notes, Series L** that will be issued under the Senior Indenture, as amended and supplemented from time to time. The Senior Indenture is described more fully in the prospectus and prospectus supplement. The following description of ARNs supplements and, to the extent it is inconsistent with, supersedes the description of the general terms and provisions of the notes and debt securities set forth under the headings **Description of the Notes** in the prospectus supplement and **Description of Debt Securities** in the prospectus. These documents should be read in connection with the applicable term sheet.

The maturity date of the ARNs and the aggregate principal amount of each issue of ARNs will be stated in the term sheet. If the scheduled maturity date is not a business day, we will make the required payment on the next business day, and no interest will accrue as a result of such delay.

We will not pay interest on ARNs. ARNs do not guarantee the return of principal at maturity. ARNs will be payable only in U.S. dollars.

Prior to the maturity date, ARNs are not redeemable by us or repayable at the option of any holder. ARNs are not subject to any sinking fund.

We will issue ARNs in denominations of whole units. Unless otherwise set forth in the applicable term sheet, each unit will have a principal amount of \$10. The CUSIP number for each issue of ARNs will be set forth in the applicable term sheet. You may transfer ARNs only in whole units.

**Payment at Maturity**

At maturity, subject to our credit risk as issuer of ARNs, you will receive a Redemption Amount, denominated in U.S. dollars. In no event will the Redemption Amount be less than zero. The **Redemption Amount** will be calculated as follows:

If the Ending Value is greater than the Starting Value, then the Redemption Amount will equal:

The Redemption Amount will not exceed a **Capped Value** set forth in the term sheet.

If the Ending Value is less than or equal to the Starting Value, then the Redemption Amount will equal:

The Redemption Amount will not be less than zero.





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Your participation in any upside potential of the Market Measure underlying your ARNs will also be impacted by the Participation Rate. The **Participation Rate** will be 300% for ARNs unless otherwise set forth in the term sheet.

Each term sheet will provide examples of Redemption Amounts based on a range of hypothetical Ending Values.

The term sheet will set forth information as to the specific Market Measure, including information as to the historical values of the Market Measure. However, historical values of the Market Measure are not indicative of its future performance or the performance of your ARNs.

An investment in ARNs does not entitle you to any ownership interest in any commodities or futures contracts that are represented by or included in a Market Measure.

## **The Starting Value and the Ending Value**

### **Starting Value**

Unless otherwise specified in the term sheet, the **Starting Value** will equal the closing value of the Market Measure on the pricing date. However, if a Market Disruption Event occurs on the pricing date, the Starting Value will be determined as described in the section **Market Disruption Events Starting Value**.

### **Ending Value**

Unless otherwise specified in the term sheet, the **Ending Value** will equal the closing value of the Market Measure on the calculation day. However, if a Market Disruption Event occurs on the calculation day, the Ending Value will be determined as described in the section **Market Disruption Events Ending Value**.

The **calculation day** means a Market Measure Business Day shortly before the maturity date, on which a Market Disruption Event has not occurred.

A **Market Measure Business Day** means a day on which the index level, spot price or official settlement price (as applicable) is determined and published by the applicable index sponsor, commodities exchange, or other price source (or any successor thereto) described in the applicable term sheet.

If the Market Measure consists of a Basket, the Starting Value and the Ending Value of the Basket will be determined as described in **Basket Market Measures**.

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### Market Disruption Events

**Market Disruption Event** means, unless otherwise set forth in the applicable term sheet or defined specifically for a Market Measure, a Basket Component or an index component, any of the following events, as determined by the calculation agent:

- (1) a material limitation, suspension, or disruption of trading in a Market Measure, a Basket Component or in one or more index components which results in a failure by the exchange on which the Market Measure, each applicable Basket Component or index component is traded to report an exchange published settlement price for such contract on the day on which such event occurs or any succeeding day on which it continues;
- (2) the exchange published settlement price for the Market Measure, Basket Component or any index component is a limit price, which means that the exchange published settlement price for such contract for a day has increased or decreased from the previous day's exchange published settlement price by the maximum amount permitted under applicable exchange rules;
- (3) failure by the applicable exchange to announce or publish the exchange published settlement price for the Market Measure, Basket Component or any index component;
- (4) a suspension of trading in the Market Measure, Basket Component or one or more index components, for which the trading does not resume at least 10 minutes prior to the scheduled or rescheduled closing time; or
- (5) any other event, if the calculation agent determines in its sole discretion that the event materially interferes with our ability or the ability of any of our affiliates to unwind all or a material portion of a hedge that we or our affiliates have effected or may effect as to the applicable ARNs.

### Starting Value

For a Market Measure that is a commodity or futures contract, if a Market Disruption Event occurs on the pricing date, the Starting Value will be the closing value of the Market Measure on the next Market Measure Business Day during which no Market Disruption Event shall have occurred or is continuing, provided that the closing value of the Market Measure will be determined (or, if not determinable, estimated) by the calculation agent in a commercially reasonable manner no later than the close of business in New York, New York on the second Market Measure Business Day following the pricing date, regardless of the occurrence of a Market Disruption Event on that day.

For a Market Measure that is a commodity index, if a Market Disruption Event occurs on the pricing date with respect to any component of the index, the calculation agent will determine the Starting Value as follows:

- (1) With respect to each commodity or futures contract included in the index which is not affected by the Market Disruption Event (an **Unaffected Component**), the Starting Value will be based on the exchange published settlement price or other applicable price of that commodity or futures contract

on the pricing date.

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- (2) With respect to each commodity or futures contract included in the index which is affected by a Market Disruption Event (an **Affected Component**):
  - a. The Starting Value will be based on the exchange published settlement price or other applicable price of each Affected Component on the first Market Measure Business Day following the pricing date on which no Market Disruption Event occurs with respect to that Affected Component. If a Market Disruption Event continues to occur on the second Market Measure Business Day following the pricing date, the calculation agent will estimate on that date the price of that Affected Component in a manner that it considers commercially reasonable under the circumstances.
  - b. The final term sheet will set forth a brief statement of the facts relating to the establishment of the Starting Value (including a description of the relevant Market Disruption Event(s)).
- (3) The calculation agent will determine the value of the Market Measure by reference to the exchange published settlement prices or other prices determined in clauses (1) and (2) above using the then current method for calculating the index. The exchange or other price source on which an applicable commodity or futures contract is traded or valued for purposes of the above definition means the exchange or other price source used to value that commodity or futures contract for the calculation of the index.

## **Ending Value**

For a Market Measure that is a commodity or futures contract, if a Market Disruption Event occurs on the scheduled calculation day or the scheduled calculation day is determined by the calculation agent not to be a Market Measure Business Day due to an extraordinary event, occurrence, declaration, or otherwise, the Ending Value will be the closing value of the Market Measure on the next Market Measure Business Day during which no Market Disruption Event shall have occurred or is continuing, provided that the closing value of the Market Measure will be determined (or, if not determinable, estimated) by the calculation agent in a commercially reasonable manner on a date no later than the second scheduled Market Measure Business Day prior to the maturity date, regardless of the occurrence of a Market Disruption Event on that day.

For a Market Measure that is a commodity index, if a Market Disruption Event occurs on the scheduled calculation day with respect to a component of the index or the scheduled calculation day is determined by the calculation agent not to be a Market Measure Business Day with respect to a component of the index due to an extraordinary event, occurrence, declaration, or otherwise, the calculation agent will determine the Ending Value as follows:

- (1) With respect to an Unaffected Component, the Ending Value of the Market Measure will be based on the exchange published settlement price or other applicable price of that commodity or futures contract on the scheduled calculation day.
- (2) With respect to an Affected Component, the Ending Value of the Market Measure will be based on the exchange published settlement price or other price of that Affected Component on the first Market Measure Business Day following the scheduled calculation day on which no Market Disruption Event occurs with

respect to that Affected Component. If a Market Disruption Event continues to occur on the second Market Measure Business Day prior to maturity, the calculation agent will

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estimate on such date the price of that Affected Component used to determine the value of the Market Measure in a manner that the calculation agent considers commercially reasonable under the circumstances.

- (3) The calculation agent will determine the value of the Market Measure by reference to the exchange published settlement prices or other prices determined in clauses (1) and (2) above using the then current method for calculating the index. The exchange or other price source on which an applicable commodity or futures contract is traded or valued for purposes of the above definition means the exchange or other price source used to value that commodity or futures contract for the calculation of the index.

**Adjustments to a Market Measure**

After the applicable pricing date, the relevant index sponsor, exchange or other price source for a Market Measure or Basket Component (a **Market Measure Publisher** ) may make a material change in the method of determining the price or level of a Market Measure or Basket Component, or in any other way that changes the Market Measure or Basket Component, such that it does not, in the opinion of the calculation agent, fairly represent the value of the Market Measure or Basket Component had those changes or modifications not been made. In this case, the calculation agent will, at the close of business in New York, New York, on each date that the closing value of the Market Measure or Basket Component is to be calculated, make adjustments to the Market Measure or Basket Component. Those adjustments will be made in good faith as necessary to arrive at a calculation of a value of the applicable Market Measure or Basket Component as if those changes or modifications had not been made, and calculate the closing value of the Market Measure or Basket Component, as so adjusted.

**Discontinuance of a Market Measure**

After the pricing date, a Market Measure Publisher may discontinue publication or determination of the Market Measure, or one or more Basket Components. The Market Measure Publisher or another entity may then publish or calculate a successor or substitute market measure that the calculation agent determines, in its sole discretion, to be comparable to that Market Measure or Basket Component (a **successor market measure** ). If this occurs, the calculation agent will substitute the successor market measure and calculate the Ending Value as described above under The Starting Value and the Ending Value or Basket Market Measure, as applicable. If the calculation agent selects a successor market measure, the calculation agent will give written notice of the selection to the trustee, to us, and to the holders of ARNs.

If a Market Measure Publisher discontinues publication or determination of the Market Measure before the calculation day and the calculation agent does not select a successor market measure, then on the calculation day, the calculation agent will compute a substitute value for the Market Measure in accordance with the procedures last used to calculate the value or level of the Market Measure or Basket Component before any discontinuance as if that day were the calculation day. The calculation agent will make available to holders of ARNs information as to each such value by means of Bloomberg L.P., Thomson Reuters, a website, or any other means selected by the calculation agent in its reasonable discretion.

If a successor market measure is selected or the calculation agent calculates a value as a substitute for a Market Measure or Basket Component as described above, the successor market measure or value will be used as a substitute for that Market Measure or Basket

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Component for all purposes, including for the purpose of determining whether a Market Disruption Event exists.

Notwithstanding these alternative arrangements, any modification or discontinuance of the publication of the Market Measure or any Basket Component may adversely affect trading in ARNs.

## **Basket Market Measures**

If the Market Measure to which your ARNs are linked is a Basket, the Basket Components will be set forth in the term sheet. We will assign each Basket Component a weighting (the **Initial Component Weight** ) so that each Basket Component represents a percentage of the Starting Value of the Basket on the pricing date. We may assign the Basket Components equal Initial Component Weights, or we may assign the Basket Components unequal Initial Component Weights. The Initial Component Weight for each Basket Component will be stated in the term sheet.

## **Determination of the Component Ratio for Each Basket Component**

The **Starting Value** of the Basket will be equal to 100. We will set a fixed factor (the **Component Ratio** ) for each Basket Component on the pricing date, based upon the weighting of that Basket Component. The Component Ratio for each Basket Component will be calculated on the pricing date and will equal:

*the Initial Component Weight (expressed as a percentage) for that Basket Component, multiplied by 100;  
divided by*

*the closing value of that Basket Component on the pricing date.*

Each Component Ratio will be rounded to eight decimal places.

The Component Ratios will be calculated in this way so that the Starting Value of the Basket will equal 100 on the pricing date. The Component Ratios will not be revised subsequent to their determination on the pricing date, except that the calculation agent may in its good faith judgment adjust the Component Ratio of any Basket Component in the event that Basket Component is materially changed or modified in a manner that does not, in the opinion of the calculation agent, fairly represent the value of that Basket Component had those material changes or modifications not been made.

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The following table is for illustration purposes only, and does not reflect the actual composition, Initial Component Weights, or Component Ratios, which will be set forth in the term sheet.

Example: The **hypothetical** Basket Components are Commodity ABC, Commodity XYZ, and Commodity RST, with their Initial Component Weights being 50.00%, 25.00% and 25.00%, respectively, on a **hypothetical** pricing date:

	Initial	Hypothetical	Hypothetical	Initial Basket
	Component	Closing	Component	Value
Basket Component	Weight	Value <sup>(1)</sup>	Ratio <sup>(2)</sup>	Contribution
Commodity ABC	50.00%	500.00	0.10000000	50.00
Commodity XYZ	25.00%	2,420.00	0.01033058	25.00
Commodity RST	25.00%	1,014.00	0.02465483	<u>25.00</u>
Starting Value				100.00

(1) This column sets forth the **hypothetical** closing value of each Basket Component on the **hypothetical** pricing date.

(2) The **hypothetical** Component Ratio equals the Initial Component Weight (expressed as a percentage) of each Basket Component multiplied by 100, and then divided by the closing value of that Basket Component on the **hypothetical** pricing date, with the result rounded to eight decimal places.

Unless otherwise stated in the term sheet, with respect to any Basket Component which is affected by a Market Disruption Event (an **Affected Basket Component** ) on the pricing date, the calculation agent will establish the closing value of each Basket Component on the pricing date, and as a result, each Component Ratio, as follows:

(1) With respect to each Basket Component which is not affected by the Market Disruption Event (an **Unaffected Basket Component** ), the value of such Basket Component will be based on the exchange published settlement price or other applicable price of that commodity or futures contract or closing level of that index on the pricing date.

(2) The value of an Affected Basket Component will be determined in the manner described above in Market Disruption Events Starting Value, provided that references to Market Measure will be references to Basket



Component and references to Starting Value will be references to closing value of the Basket Component on the pricing date.

**Ending Value of the Basket**

The calculation agent will calculate the value of the Basket by summing the products of the closing value of each Basket Component on the calculation day and its Component Ratio. The value of the Basket will vary based on the increase or decrease in the level of each Basket Component. Any increase in the level of a Basket Component (assuming no change in the level of the other Basket Component or Basket Components) will result in an increase in the value of the Basket. Conversely, any decrease in the level of a Basket Component (assuming no change in the level of the other Basket Component or Basket Components) will result in a decrease in the value of the Basket.

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The **Ending Value** of the Basket will be the value of the Basket on the calculation day.

Unless otherwise specified in the term sheet, if, for any Affected Basket Component, a Market Disruption Event occurs on the scheduled calculation day or the scheduled calculation day is determined by the calculation agent not to be a Market Measure Business Day by reason of an extraordinary event, occurrence, declaration, or otherwise, the calculation agent will determine the closing value of each Basket Component on the calculation day, and as a result, the Ending Value, as follows:

- (1) The value of an Unaffected Basket Component will be based on the exchange published settlement price or other applicable price of that commodity or futures contract, or the closing level of that index, as applicable, on the scheduled calculation day.
- (2) The value of an Affected Basket Component will be determined in the manner described above in **Market Disruption Events Ending Value**, provided that references to **Market Measure** will be references to **Basket Component** and references to **Ending Value** will be references to **closing value of the Basket Component on the calculation day**.

## **Role of the Calculation Agent**

The calculation agent has the sole discretion to make all determinations regarding ARNs as described in this product supplement, including determinations regarding the Starting Value, the Ending Value, the Market Measure, the Redemption Amount, any Market Disruption Events, a successor market measure, Market Measure Business Days, business days, the calculation day, and calculations related to the discontinuance of any Market Measure or Basket Component. Absent manifest error, all determinations of the calculation agent will be conclusive for all purposes and final and binding on you and us, without any liability on the part of the calculation agent.

We expect to appoint MLPF&S or one of our other affiliates as the calculation agent for each issue of ARNs. However, we may change the calculation agent at any time without notifying you. The identity of the calculation agent will be set forth in the applicable term sheet.

## **Same-Day Settlement and Payment**

ARNs will be delivered in book-entry form only through The Depository Trust Company against payment by purchasers of ARNs in immediately available funds. We will pay the Redemption Amount in immediately available funds so long as the ARNs are maintained in book-entry form.

## **Events of Default and Acceleration**

Events of default are defined in the Senior Indenture. If such event occurs and is continuing, unless otherwise stated in the term sheet, the amount payable to a holder of ARNs upon any acceleration permitted under the Senior Indenture will be equal to the Redemption Amount described under the caption **Payment at Maturity**, determined as if the ARNs matured on the date of acceleration. If a bankruptcy proceeding is commenced in respect of us, your claim may be limited under applicable bankruptcy law. In case of a default in payment of ARNs, whether at their maturity or upon acceleration, they will not bear a default interest rate.



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**Listing**

Unless otherwise specified in the applicable term sheet, the ARNs will not be listed on a securities exchange or quotation system.

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**SUPPLEMENTAL PLAN OF DISTRIBUTION**

One or more of our affiliates may act as our selling agent for any offering of the ARNs. The selling agents may act on either a principal basis or an agency basis, as set forth in the applicable term sheet. Each selling agent will be a party to a distribution agreement described in the Supplemental Plan of Distribution (Conflicts of Interest) on page S-15 of the accompanying prospectus supplement.

Each selling agent will receive an underwriting discount or commission that is a percentage of the aggregate principal amount of ARNs sold through its efforts, which will be set forth in the applicable term sheet. You must have an account with the applicable selling agent in order to purchase ARNs.

None of the selling agents is acting as your fiduciary or advisor solely as a result of the making of any offering of the ARNs, and you should not rely upon this product supplement, the term sheet, or the accompanying prospectus or prospectus supplement as investment advice or a recommendation to purchase any ARNs. You should make your own investment decision regarding ARNs after consulting with your legal, tax, and other advisors.

MLPF&S and any of our other affiliates may use this product supplement, the prospectus supplement, and the prospectus, together with the applicable term sheet, in a market-making transaction for any ARNs after their initial sale.

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**U.S. FEDERAL INCOME TAX SUMMARY**

The following summary of the material U.S. federal income tax considerations of the acquisition, ownership, and disposition of ARNs is based upon the advice of Morrison & Foerster LLP, our tax counsel. The following discussion supplements, and to the extent inconsistent supersedes, the discussions under U.S. Federal Income Tax Considerations in the accompanying prospectus and under U.S. Federal Income Tax Considerations in the accompanying prospectus supplement and is not exhaustive of all possible tax considerations. This summary is based upon the Internal Revenue Code of 1986, as amended (the Code), regulations promulgated under the Code by the U.S. Treasury Department (Treasury) (including proposed and temporary regulations), rulings, current administrative interpretations and official pronouncements of the IRS, and judicial decisions, all as currently in effect and all of which are subject to differing interpretations or to change, possibly with retroactive effect. No assurance can be given that the IRS would not assert, or that a court would not sustain, a position contrary to any of the tax consequences described below. This summary does not include any description of the tax laws of any state or local governments, or of any foreign government, that may be applicable to a particular holder. If the tax consequences associated with ARNs are different than those described below, they will be described in the applicable term sheet.

This summary is directed solely to U.S. Holders and Non-U.S. Holders that, except as otherwise specifically noted, will purchase ARNs upon original issuance and will hold ARNs as capital assets within the meaning of Section 1221 of the Code, which generally means property held for investment, and that are not excluded from the discussion under U.S. Federal Income Tax Considerations in the accompanying prospectus.

*You should consult your own tax advisor concerning the U.S. federal income tax consequences to you of acquiring, owning, and disposing of ARNs, as well as any tax consequences arising under the laws of any state, local, foreign, or other tax jurisdiction and the possible effects of changes in U.S. federal or other tax laws.*

**General**

Although there is no statutory, judicial, or administrative authority directly addressing the characterization of ARNs, we intend to treat ARNs for all tax purposes as single financial contracts with respect to the Market Measure and under the terms of ARNs, we and every investor in ARNs agree, in the absence of an administrative determination or judicial ruling to the contrary, to treat ARNs in accordance with such characterization. This discussion assumes that ARNs constitute single financial contracts with respect to the Market Measure for U.S. federal income tax purposes. If ARNs did not constitute single financial contracts, the tax consequences described below would be materially different.

*This characterization of ARNs is not binding on the IRS or the courts. No statutory, judicial, or administrative authority directly addresses the characterization of ARNs or any similar instruments for U.S. federal income tax purposes, and no ruling is being requested from the IRS with respect to their proper characterization and treatment. Due to the absence of authorities on point, significant aspects of the U.S. federal income tax consequences of an investment in ARNs are not certain, and no assurance can be given that the IRS or any court will agree with the characterization and tax treatment described in this product supplement. Accordingly, you are urged to consult your tax advisor regarding all aspects of the U.S. federal income tax consequences of an investment in ARNs, including possible alternative characterizations.*

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Unless otherwise stated, the following discussion is based on the characterization described above. The discussion in this section assumes that there is a significant possibility of a significant loss of principal on an investment in ARNs.

**U.S. Holders**

Upon receipt of a cash payment at maturity or upon a sale or exchange of ARNs prior to maturity, a U.S. Holder generally will recognize capital gain or loss equal to the difference between the amount realized and the U.S. Holder's tax basis in ARNs. A U.S. Holder's tax basis in ARNs will equal the amount paid by that holder to acquire them. This capital gain or loss generally will be long-term capital gain or loss if the U.S. Holder held the ARNs for more than one year. The deductibility of capital losses is subject to limitations.

*Alternative Tax Treatments.* Due to the absence of authorities that directly address the proper tax treatment of ARNs, prospective investors are urged to consult their tax advisors regarding all possible alternative tax treatments of an investment in ARNs. In particular, if ARNs have a term that exceeds one year, the IRS could seek to subject ARNs to the Treasury regulations governing contingent payment debt instruments. If the IRS were successful in that regard, the timing and character of income on ARNs would be affected significantly. Among other things, a U.S. Holder would be required to accrue original issue discount every year at a comparable yield determined at the time of issuance. In addition, any gain realized by a U.S. Holder at maturity, or upon a sale or exchange, of ARNs generally would be treated as ordinary income, and any loss realized at maturity would be treated as ordinary loss to the extent of the U.S. Holder's prior accruals of original issue discount, and as capital loss thereafter. If ARNs have a term of one year or less, ARNs would generally be subject to the rules concerning short-term debt instruments as described in the prospectus under the heading "U.S. Federal Income Tax Considerations—Taxation of Debt Securities—Consequences to U.S. Holders—Short-Term Debt Securities."

The IRS released Notice 2008-2 ( Notice ) which sought comments from the public on the taxation of financial instruments currently taxed as prepaid forward contracts. This Notice addresses instruments such as ARNs. According to the Notice, the IRS and Treasury are considering whether a holder of an instrument such as ARNs should be required to accrue ordinary income on a current basis, regardless of whether any payments are made prior to maturity. It is not possible to determine what guidance the IRS and Treasury will ultimately issue, if any. Any such future guidance may adversely affect the amount, timing and character of income, gain, or loss in respect of ARNs, possibly with retroactive effect.

The IRS and Treasury are also considering additional issues, including whether additional gain or loss from such instruments should be treated as ordinary or capital, whether foreign holders of such instruments should be subject to withholding tax on any deemed income accruals, whether Section 1260 of the Code, concerning certain constructive ownership transactions, generally applies or should generally apply to such instruments, and whether any of these determinations depend on the nature of the underlying asset.

In addition, proposed Treasury regulations require the accrual of income on a current basis for contingent payments made under certain notional principal contracts. The preamble to the regulations states that the "wait and see" method of accounting does not properly reflect the economic accrual of income on those contracts, and requires current accrual of income for some contracts already in existence. While the proposed regulations do not apply to prepaid forward contracts, the preamble to the proposed regulations expresses the view that similar timing issues exist in the case of prepaid forward contracts. If the IRS or Treasury publishes future guidance requiring current economic accrual for contingent payments on prepaid





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forward contracts, it is possible that you could be required to accrue income over the term of ARNs.

Because of the absence of authority regarding the appropriate tax characterization of ARNs, it is also possible that the IRS could seek to characterize ARNs in a manner that results in tax consequences that are different from those described above. For example, the IRS could possibly assert that any gain or loss that a holder may recognize at maturity or upon sale or exchange of ARNs should be treated as ordinary gain or loss.

It is possible that the IRS could assert that a U.S. Holder's holding period in respect of ARNs should end on the applicable calculation day, even though such holder will not receive any amounts in respect of ARNs prior to the redemption or maturity of ARNs. In such case, if the applicable calculation day is not in excess of one year from the original issue date, a U.S. Holder may be treated as having a holding period in respect of ARNs equal to one year or less, in which case any gain or loss such holder recognizes at such time would be treated as short-term capital gain or loss.

If a Market Measure is or includes an index that periodically rebalances, it is possible that ARNs could be treated as a series of single financial contracts, each of which matures on the next rebalancing date. If ARNs were properly characterized in such a manner, a U.S. Holder would be treated as disposing of ARNs on each rebalancing date in return for new ARNs that mature on the next rebalancing date, and a U.S. Holder would accordingly likely recognize capital gain or loss on each rebalancing date equal to the difference between the holder's tax basis in ARNs (which would be adjusted to take into account any prior recognition of gain or loss) and the fair market value of ARNs on such date.

If a Market Measure is or includes a commodity futures contract or an index that tracks the value of commodity futures contracts, it is possible that the IRS could assert that Section 1256 of the Code should apply to ARNs or a portion of ARNs. If Section 1256 of the Code were to apply to ARNs, gain or loss recognized with respect to ARNs (or the relevant portion of ARNs) would be treated as 60% long-term capital gain or loss and 40% short-term capital gain or loss, without regard to a U.S. Holder's holding period in ARNs. A U.S. Holder would also be required to mark the ARNs (or a portion of the ARNs) to market at the end of each year (i.e., recognize gain or loss as if the ARNs or the relevant portion of the ARNs had been sold for fair market value).

## **Non-U.S. Holders**

A Non-U.S. Holder generally will not be subject to U.S. federal income or withholding tax for amounts paid in respect of ARNs, provided that the Non-U.S. Holder complies with applicable certification requirements and that the payment is not effectively connected with the conduct by the Non-U.S. Holder of a U.S. trade or business. Notwithstanding the foregoing, gain from the sale or exchange of ARNs or their settlement at maturity may be subject to U.S. federal income tax if that Non-U.S. Holder is a non-resident alien individual and is present in the U.S. for 183 days or more during the taxable year of the settlement at maturity, sale or exchange and certain other conditions are satisfied.

If a Non-U.S. Holder of ARNs is engaged in the conduct of a trade or business within the U.S. and if gain realized on the settlement at maturity, sale or exchange of ARNs, is effectively connected with the conduct of such trade or business (and, if certain tax treaties apply, is attributable to a permanent establishment maintained by the Non-U.S. Holder in the U.S.), the Non-U.S. Holder generally will be subject to U.S. federal income tax on such gain on a net income basis in the same manner as if it were a U.S. Holder. Such Non-U.S. Holders should

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read the material under the heading U.S. Holders, for a description of the U.S. federal income tax consequences of acquiring, owning, and disposing of ARNs. In addition, if such Non-U.S. Holder is a foreign corporation, it may also be subject to a branch profits tax equal to 30% (or such lower rate provided by any applicable tax treaty) of a portion of its earnings and profits for the taxable year that are effectively connected with its conduct of a trade or business in the U.S., subject to certain adjustments.

As discussed above, alternative characterizations of ARNs for U.S. federal income tax purposes are possible. Should an alternative characterization, by reason of change or clarification of the law, by regulation or otherwise, cause payments as to ARNs to become subject to withholding tax, tax will be withheld at the applicable statutory rate. As discussed above, the IRS has indicated in the Notice that it is considering whether income in respect of instruments such as ARNs should be subject to withholding tax. Prospective Non-U.S. Holders of ARNs should consult their own tax advisors in this regard.

*U.S. Federal Estate Tax.* Under current law, while the matter is not entirely clear, individual Non-U.S. Holders, and entities whose property is potentially includible in those individuals' gross estates for U.S. federal estate tax purposes (for example, a trust funded by such an individual and with respect to which the individual has retained certain interests or powers), should note that, absent an applicable treaty benefit, ARNs are likely to be treated as U.S. situs property, subject to U.S. federal estate tax. These individuals and entities should consult their own tax advisors regarding the U.S. federal estate tax consequences of investing in ARNs.

**Backup Withholding and Information Reporting**

Please see the discussion under U.S. Federal Income Tax Considerations Taxation of Debt Securities Backup Withholding and Information Reporting in the accompanying prospectus for a description of the applicability of the backup withholding and information reporting rules to payments made on ARNs.

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Each fiduciary of a pension, profit-sharing, or other employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ( **ERISA** ) (a **Plan** ), should consider the fiduciary standards of ERISA in the context of the Plan's particular circumstances before authorizing an investment in the ARNs. Accordingly, among other factors, the fiduciary should consider whether the investment would satisfy the prudence and diversification requirements of ERISA and would be consistent with the documents and instruments governing the Plan.

The fiduciary investment considerations summarized above generally apply to employee benefit plans maintained by private-sector employers and to individual retirement accounts and other arrangements subject to Section 4975 of the Code, but generally do not apply to governmental plans (as defined in Section 3(32) of ERISA), certain church plans (as defined in Section 3(33) of ERISA), and foreign plans (as described in Section 4(b)(4) of ERISA). However, these other plans may be subject to similar provisions under applicable federal, state, local, foreign, or other regulations, rules, or laws ( **similar laws** ). The fiduciaries of plans subject to similar laws should also consider the foregoing issues in general terms as well as any further issues arising under the applicable similar laws.

In addition, we and certain of our subsidiaries and affiliates may be each considered a party in interest within the meaning of ERISA, or a disqualified person (within the meaning of the Code), with respect to many Plans, as well as many individual retirement accounts and Keogh plans (also **Plans** ). Prohibited transactions within the meaning of ERISA or the Code would likely arise, for example, if the ARNs are acquired by or with the assets of a Plan with respect to which we or any of our affiliates is a party in interest, unless the ARNs are acquired under an exemption from the prohibited transaction rules. A violation of these prohibited transaction rules could result in an excise tax or other liabilities under ERISA and/or Section 4975 of the Code for such persons, unless exemptive relief is available under an applicable statutory or administrative exemption.

Under ERISA and various prohibited transaction class exemptions ( **PTCEs** ) issued by the U.S. Department of Labor, exemptive relief may be available for direct or indirect prohibited transactions resulting from the purchase, holding, or disposition of the ARNs. Those exemptions are PTCE 96-23 (for certain transactions determined by in-house asset managers), PTCE 95-60 (for certain transactions involving insurance company general accounts), PTCE 91-38 (for certain transactions involving bank collective investment funds), PTCE 90-1 (for certain transactions involving insurance company separate accounts), PTCE 84-14 (for certain transactions determined by independent qualified asset managers), and the exemption under Section 408(b)(17) of ERISA and Section 4975(d)(20) of the Code for certain arm's-length transactions with a person that is a party in interest solely by reason of providing services to Plans or being an affiliate of such a service provider (the **Service Provider Exemption** ).

Because we may be considered a party in interest with respect to many Plans, the ARNs may not be purchased, held, or disposed of by any Plan, any entity whose underlying assets include plan assets by reason of any Plan's investment in the entity (a **Plan Asset Entity** ) or any person investing plan assets of any Plan, unless such purchase, holding, or disposition is eligible for exemptive relief, including relief available under PTCE 96-23, 95-60, 91-38, 90-1, or 84-14 or the Service Provider Exemption, or such purchase, holding, or disposition is otherwise not prohibited. Any purchaser, including any fiduciary purchasing on behalf of a Plan, transferee or holder of the ARNs will be deemed to have represented, in its corporate and its fiduciary capacity, by its purchase and holding of the ARNs that either (a) it is not a Plan or a Plan Asset Entity and is not purchasing such ARNs on behalf of or with plan assets of any Plan or any plan subject to similar laws or (b) its purchase, holding, and disposition are eligible for

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exemptive relief or such purchase, holding, and disposition are not prohibited by ERISA or Section 4975 of the Code or similar laws.

Further, any person acquiring or holding the ARNs on behalf of any plan or with any plan assets shall be deemed to represent on behalf of itself and such plan that (x) the plan is paying no more than, and is receiving no less than, adequate consideration within the meaning of Section 408(b)(17) of ERISA in connection with the transaction or any redemption of the ARNs, (y) none of us, MLPF&S, or any other selling agent directly or indirectly exercises any discretionary authority or control or renders investment advice or otherwise acts in a fiduciary capacity with respect to the assets of the plan within the meaning of ERISA and (z) in making the foregoing representations and warranties, such person has applied sound business principles in determining whether fair market value will be paid, and has made such determination acting in good faith.

In addition, any purchaser, that is a Plan or a Plan Asset Entity or that is acquiring the ARNs on behalf of a Plan or a Plan Asset Entity, including any fiduciary purchasing on behalf of a Plan or Plan Asset entity, will be deemed to have represented, in its corporate and its fiduciary capacity, by its purchase and holding of the ARNs that (a) none of us, MLPF&S, or any of our respective affiliates is a **fiduciary** (under Section 3(21) of ERISA, or under any final or proposed regulations thereunder, or with respect to a governmental, church, or foreign plan under any similar laws) with respect to the acquisition, holding or disposition of the ARNs, or as a result of any exercise by us or our affiliates of any rights in connection with the ARNs, (b) no advice provided by us or any of our affiliates has formed a primary basis for any investment decision by or on behalf of such purchaser in connection with the ARNs and the transactions contemplated with respect to the ARNs, and (c) such purchaser recognizes and agrees that any communication from us or any of our affiliates to the purchaser with respect to the ARNs is not intended by us or any of our affiliates to be impartial investment advice and is rendered in its capacity as a seller of such ARNs and not a fiduciary to such purchaser. Purchasers of the ARNs have exclusive responsibility for ensuring that their purchase, holding, and disposition of the ARNs do not violate the prohibited transaction rules of ERISA or the Code or any similar regulations applicable to governmental or church plans, as described above.

This discussion is a general summary of some of the rules which apply to benefit plans and their related investment vehicles. This summary does not include all of the investment considerations relevant to Plans and other benefit plan investors such as governmental, church, and foreign plans and should not be construed as legal advice or a legal opinion. Due to the complexity of these rules and the penalties that may be imposed upon persons involved in non-exempt prohibited transactions, it is particularly important that fiduciaries or other persons considering purchasing the ARNs on behalf of or with plan assets of any Plan or other benefit plan investor consult with their legal counsel prior to directing any such purchase.