

IT IS AGREED BETWEEN YOU AND J.P. Morgan Securities LLC (referred to as JPMS, WE, OUR or US):

1. The transactions described on this confirmation (Confirm) are subject to the following terms and conditions and to any written agreement (Agreement) between you and us, to our benefit (including successors and assigns) and is final if not objected to in writing within 5 business days after such document has been transmitted to you by mail or by electronic means. JPMS reserves the right to challenge your objections.
2. Confirm disclosures will be considered with the items of any other Agreements; however, you should refer to your Agreement as your primary documents to reference regarding account/transaction matters. If any part of the Agreement is held void, unenforceable or inconsistent with any other Agreement related to this Confirm, it shall not affect the validity or enforceability of the remaining parts of this Confirm.
3. Your capacity regarding this transaction was for your own account unless you expressly specified to JPMS in writing and gave sufficient information in writing prior to the transaction for JPMS to rely upon the credit of another party or your credit in another capacity.

ADDITIONAL DISCLOSURE FOR CERTAIN TYPES OF SECURITIES TRANSACTIONS

4. Until fully paid for, securities in a cash account, (defined by Regulation T), may be, without prior notice, hypothecated or rehypothecated, under circumstances which permit the commingling of instruments carried for the accounts of other customers, for any amount, whether under general loans or otherwise, or may be loaned out or delivered on contracts for other customers without having in our possession and control a like amount of similar instruments.
5. Regarding transactions involving a securities offering, underwriters may over-allot or effect transactions to stabilize or maintain the securities market price at a level above which might otherwise prevail in the open market; such stabilizing (if commenced), may be discontinued at any time.
6. If this transaction is a sale by you of an instrument not held in your account by us and it is not marked short, you represent you own the instrument and will promptly deliver such instrument to us.
7. JPMS or an affiliate may act as Primary Market Maker or Competitive Market Maker in option trades executed on an options exchange and may have a long or short position in such securities and on the opposite side of public orders executed in such securities.
8. The actual yield of an asset-backed security (securities which represent an interest in or are secured by a pool or receivables or other financial assets that are subject to continuous prepayment) may vary according to the rate at which the underlying assets are prepaid. Factors affecting yield will be furnished upon written request.
9. Zero Coupon Issues pay no periodic interest, may be called below maturity value, and if called, may be called below maturity value without notice to you unless registered.
10. For Treasury Inflation Protection Securities (TIPS) and Corporate Inflation Protection Bonds (IPBs), yield to maturity may vary due to inflation adjustments.
11. Fannie Mae or Freddie Mac securities purchasers can obtain additional pool information by contacting Fannie Mae at 1-800-237-8627 or Freddie Mac at 1-800-336-3672 or emailing Freddie Mac at Investor_Inquiry@FreddieMac.com.
12. If this Confirm indicates that this is a transaction in when-issued or when-distributed securities, the terms and conditions in the applicable proxy disclosure document and/or bankruptcy plan applies. Upon settlement date determination, you will receive a final confirmation showing the settlement date and the total proceeds or cost credited or debited to your account on that date. Such transactions will be settled or cancelled subject to an exchange or market requirements. When-issued positions will be marked-to market at the close of each trading day and if the market price falls below the contract price by an amount that exceeds the cash deposit in the account, interest may be charged on such excess.
13. On written request, we will furnish the time of execution, name of the other party (if applicable), and details of compensation received from other persons when we act as their agent.
14. Transaction settlements are computed for payment in the New York State time zone (Eastern Standard Time) on settlement date. Additional interest may be charged if payment is made after settlement date.
15. If a deferred commission or other charge is to be imposed upon redemption or as a condition of payment of principal or interest, you may be required to make such a payment. Information concerning deferred compensation or other charges will be furnished upon written request.
16. The "Fee" and the "Options Fee" reflected (disclosed on the front of this Confirm) is intended to offset fees charged by various regulatory bodies. The amount collected may be more or less than the amount ultimately paid to the various regulatory bodies. In the event of the former, no reimbursement will be distribute back to you; in the event of the latter, there will be no additional charge made to you.
17. Unless you have elected a different closing methodology, as noted on the front, or identified a specific tax lot in the trade description, all trades are closed out under the "FIFO" (First In First Out) methodology. Regulated Investment Companies or Dividend Reinvestment Plan sales (which the average price method has been chosen) positions are closed out on a FIFO basis.

LEGEND FOR SECURITIES TRANSACTIONS

18. Your transaction (as indicated on the front of this Confirm) was executed on one or more markets – details are available upon request. If the code below conflicts with wording on the front of this Confirm, the wording on the front controls.

A - Trade was executed by your broker, with us acting as your prime broker. Contact your executing broker for trade details.

C - Capacity in which your Broker is acting:

1, 2, 3, 4, 5, 8 and 9 - As Agent for your account unless otherwise indicated. -

6 - As Agent for both buyer and seller, charging a commission or a commission equivalent to both parties.

7 - As Principal.

M - "Mixed" Capacity: Your Broker acted in multiple capacities as: (i) Principal and Agent, (ii) Principal, Agent, and Agent for both buyer and seller, (iii) Principal and Agent for both buyer and seller, or (iv) Agent and Agent for both buyer and seller. Details available upon request. Please call 1-800-634-1428 or 347-643-9953.

Q - JPMS acted as an Agent for you and its affiliate: J.P. Morgan Securities plc paid us compensation for acting as its Agent.

R - The notes are general obligations of the issuer. If the issuer becomes insolvent, claims for repayment of the notes are not customer claims under the Securities Investor Protection Act and are not protected by Securities Investor Protection Corporation insurance.

S - The transaction is subject to the U.S. Treasury or Agency Debt and Agency MBS fails charge trading practice published by TMPG and SIFMA at <https://www.sifma.org/resources/general/fails-charge-trading-practices/>

T - Your introducing broker receives compensation for directing customer orders for equity securities. The source and nature of compensation received on this transaction (if any) may be furnished upon written request.

U - You may be eligible for breakpoint discounts based on the size of your purchase, current holdings or future purchases. The sales charge you paid may differ from the Prospectus disclosed rate due to rounding calculations. Please refer to the Prospectus, Statement of Additional Information or contact us at the number provided on the front of this page.

V - To obtain a paper copy of the offering document concerning this transaction call 1-866-803-9204.

W - These securities have not been registered under the U.S. Securities Act of 1933 (1933 Act), and may only be offered and sold pursuant to registration under the 1933 Act, an available exemption or in accordance with Regulation S.

X - These securities have not been registered under the 1933 Act, and were issued by an exemption provided by Section 3(c)(7) of the Investment Company Act of 1940 (1940 Act). The securities may only be offered and sold (i) pursuant to registration under the 1933 Act or an exemption therefrom and (ii) in accordance with the provisions of Section 3(c)(7) of the 1940 Act.

Y - To obtain a paper copy of the official statement call 877-430-3544 for domestic accounts or 347-643-6233 for international accounts.

Z - A JPMS affiliate is a market maker in the security. As a market maker, the JPMS affiliate may have acted as Principal, may have had a long or short position in the security, and may have profited or lost in connection with the transaction.

IF CALLABLE MUNICIPAL OR OTHER CALLABLE DEBT SECURITY TRANSACTION

19. Any debt security subject to redemption before maturity may be redeemed or called in whole or in part before maturity, and the redemption could affect yield represented. Additional information is available upon request.

PAYMENT FOR ORDER FLOW DISCLOSURE

20. JPMS does not receive payment for order flow from market makers for customer orders in equity securities. JPMS receives rebates from and pays fees to some registered securities exchanges for providing or taking liquidity on those exchanges, according to those exchanges' published fee schedules approved by the SEC. Alternative trading systems also charge fees and, in some cases, pay rebates for the provision or removal of liquidity. In addition, JPMS receives marketing fees from options exchanges under marketing fee programs sponsored by some exchanges. Under some circumstances, the amount received by JPMS from a trading center over a period of time may exceed the amount that JPMS is charged by a trading center. These practices are one of many factors that may impact routing decisions and do not alter JPMS policy to route customer orders in securities to the trading centers where it believes customers will receive the best execution, taking into account, among other factors, prices, transaction cost, volatility, reliability, market depth and speed.

Affiliates of JPMS have ownership in some trading centers. Accordingly, JPMS stands to share in any profits that these trading centers earn from the execution of JPMS customer orders on those trading centers. Additional information on the material aspects of JPMS relationships with the primary trading centers to which JPMS routes, including descriptions of arrangements for payment for order flow and profit-sharing relationships, is available in JPMS SEC Rule 606 reports.

FINRA AND MSRB FIXED INCOME PRICE TRANSPARENCY RULES

21. Mark-ups/mark-downs disclosed on this Confirm are calculated to FINRA and MSRB rules which may require JPMS contemporaneous cost and/or market price to be taken into account. Since market price may be calculated by market data or modeling (either internal or obtained from a third-party vendor), the mark-up/mark-down may not reflect the actual market price paid/received by JPMS, or in the case of a security acquired internally from another Firm line of business, the internal price marked up/down by the Firm's Wealth Management (WM) line of business. "N/A" indicates a negative mark-up/mark-down (i.e., the client purchased at a lower price than, or sold at a price higher than, the prevailing market price). For more information about this security (including trade and price history), and for the municipal securities Official Statement, visit the web page shown in the details on the front of this Confirm.

** Other than trades executed for APM-affiliated investment advisers, trades depicted as Agent your Broker may have acted as Agent for both buyer and seller. To verify the capacity shown on this Confirm, call 1-800-634-1428 or 347-643-9953.

*** Your order was executed in either (1) one execution at the confirmed price or (2) more than one execution, in which case the confirmed price is an average price and details regarding the actual prices are available on request.

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