# FXHEDGING

It's time for a different conversation.

A rules-based, risk management solution that offers an efficient, systematic and transparent way for you to handle your FX hedging needs.

#### THE PROGRAMS

## 1. SHARE-CLASS HEDGING

Supports the global distribution of your fund complex.

## 2. PORTFOLIO HEDGING

Mitigates—in whole or in part—the inherent FX exposures within the portfolio.

# 3. INDEX / LOOK THROUGH

References underlying assets of the portfolio or a benchmark index for hedge composition.

#### THE BENEFITS

### OPERATIONAL EFFICIENCY

### Straight-through Processing

Integrated data feeds agnostic of custodian, transfer agent, or fund administrator.

#### IMPROVED Tracking

#### **FX Execution**

Execution aligned to independent benchmark rates, or referenced to fund valuation points with BNY acting as principal.

#### RISK REDUCTION

#### **Hedge Optimization**

iHedge monitors and maintains your hedging parameter throughout the entire operational lifecycle.

#### HIGHER Confidence

#### Technology

iHedge is a highly configurable platform providing solutioning for custom hedging scenarios.

#### Segregated Execution

BNY acting as principal, utilizing a segregated execution desk and independent benchmark rates.

#### **TRANSPARENCY**

#### Reporting

Comprehensive reporting suite includes post-trade performance analysis and independent transaction cost analysis (TCA).

#### Defined Cost

Clear, transparent and contractual pricing structure, offering significant cost benefits. BNY is the corporate brand of The Bank of New York Mellon Corporation and may be used as a generic term to reference the corporation as a whole and/or its various group entities. This material and any products and services may be issued or provided under various

This material and any products and services may be issued or provided under various brand names of BNYIn various countries by duly authorized and regulated subsidiaries, affiliates, and joint ventures of BNY, which may include any of those listed below. The Bank of New York Mellon, a banking corporation organized pursuant to the laws of the State of New York, whose registered office is at 240 Greenwich St, NY, NY 10286, USA. The Bank of New York Mellon is supervised and regulated by the New York State Department of Financial Services and the US Federal Reserve and is authorized by the Prudential Regulation Authority ("PRA") (Firm Reference Number: 122467).

The Bank of New York Mellon operates in the UK through its London branch (UK companies house numbers F0005522 and BR000818) at 160 Queen Victoria Street, loaden EFCV/L4 and is subject to earliesting bythe Financial Conduct Authority ("FCN").

companies house numbers FC005522 and BR000818) at 160 Queen Victoria Street, London, ECAV4A and is subject to regulation by the Financial Conduct Authority (FCAV) at 12 Endeavour Square, London, E20 J.N and limited regulation by the PRA at Bank of England. Threadneedle St. London, EC2R 8AH. Details about the extent of our regulation by the PRA are available from us on request.

The Bank of New York Mellon operates in Germany through its Frankfurt am Main branch (registered in Germany with Registration No. HRB 12731) at Friedrich-Ebert-Anlage 49, 60327 Frankfurt am Main, Germany, It is under the supervision of the German Central Bank and the Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, Marie-Curie-Str. 24-28, 60439 Frankfurt, Germany) under zeigisträn number 11000753. under registration number 10100253.

under registration number 10100253.

The Bank of New York Mellon SA/NV, a Belgian limited liability company, registered in the RPM Brussels with company number 0806.743.159, whose registered office is at Boulevard Anspachlaan 1, B-1000 Brussels, Belgium, authorized and regulated as a significant credit institution by the European Central Bank ("ECB") at Sonnemannstrasse 20, 60314 Frankfurt am Main, Germany, and the National Bank of Belgium ("NBB") at Boulevard de Berlaimontidae Berlaimontidae Berlaimontidae Services and Markets Authority ("FSM") at Rue du Congrés/Congresstrata 12-14, 1000 Brussels, Belgium, under the Single Supervisory Mechanism and by the Belgian Financial Services and Markets Authority ("FSM") at Rue du Congrés/Congresstrata 12-14, 1000 Brussels, Belgium for conduct of businesse rules, and is a subsidiary of The Bank of New York Mellon.

The Bank of New York Mellon SA/NV operates in Ireland through its Dublin branch at Riverside II, Sir John Rogerson's Quay Grand Canal Dock, Dublin 2, D02KV60, Ireland and is registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E. The Bank of New York Mellon SA/NV, Dublin Branch is subject to limited

IE 9578054E. The Bank of New York Mellon SA/NI, Dublin Branch is subject to limited additional regulation by the Central Bank of Fleand at New Wapping Street, North Wall. Quay, Dublin 1, D01 F7X3, Ireland for conduct of business rules and registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E.

The Bank of New York Mellon SA/NV operates in Germany through its Frankfurt branch "The Bank of New York Mellon SA/NV. Asset Servicing, Niederlassung Frankfurt am Main", and has its registered office at Messet furm, Friedrich-Ebert-Anlage 49, 60327 Frankfurt am Main, Germany, It is subject to limited additional supervision by the Federal Financial Supervisor, Authority (Bundesanstalt für Finanzcialestistungsaufsicht, Marie-Curie-Str. 24-28, 60439 Frankfurt, Germany) under registration number 122721.

Str. 42-28, 00-93 Frankfurt, Germany Under registration intimiter 1227 L. The Bank of New York Mellon SA/NV operates in the Netherlands through its Amsterdam branch at Claude Debussylaan 7, 1082 MC Amsterdam, the Netherlands. The Bank of New York Mellon SA/NV, Amsterdam Branch is subject to limited additional supervision by the Dutch Central Bank ("De Nederlandsche Bank" or "DNB") on integrity issues only (registration number 34363596). DNB holds office at Westeinde 1, 1017 ZN Amsterdam,

The Bank of New York Mellon SA/NV operates in Luxembourg through its Luxembourg branch at 2-4 rue Eugene Ruppert, Vertigo Building – Polaris, L- 2453, Luxembourg. The Bank of New York Mellon SA/NV, Luxembourg Branch is subject to limited additional regulation by the Commission de Surveillance du Secteur Financier at 283, route d'Alon, L-1150 Luxembourg for conduct of business rules, and in its role as UCITS/AIF depositary bourg for conduct of business rules, and in its role as UCITS/AIF de

and central administration agent. Bank of New York Mellon SA/NV operates in France through its Paris branch at 7 Rue Scribe, Paris, Paris 75009, France. The Bank of New York Mellon SA/NV, Paris Branch is solitie, Palis, Palis 3,7009, Fraince. The Ballik of Inver 10th Medicili San JANN, Palis Ballich Is subject to limited additional regulation by Secrétariat Genéral de l'Autorité de Contrôle Prudentiel at Première Direction du Contrôle de Banques (DCB 1), Service 2, 61, Rue Taitbout, 75436 Paris Cedex 09, France (registration number (SIREN) Nr. 538 228 420 RCS Paris - CIB 13733).

The Bank of New York Mellon SA/NV operates in Italy through its Milan branch at Via Mike Bongiorno no. 13, Diamantino building, 5th floor, Milan, 20124, Italy, The Bank of New York Mellon SA/NY, Milan Branch is subject to limited additional regulation by Banca d'Italia Sede di Milano at Divisione Supervisione Banche, Via Cordusio no. 5, 20123 Milano, Italy (registration number 03351).

(registration number 03351).

The Bank of New York Mellon SA/NV operates in Denmark as The Bank of New York Mellon SA/NV, Copenhagen Branch, filial af The Bank of New York Mellon SA/NV, Belgien, and has its registered office at Tuborg Boulevard 12, 3. DK-2900Hellerup, Denmark. It is subject to limited additional regulation by the Danish Financial Supervisory Authority (Finanstilsynet, Århusgade 110, 2100 København Ø).

The Bank of New York Mellon SA/NV operates in Spain through its Madrid branch with registered office at Calle José Abasca 45, Planta 4\*, 28003, Madrid, and enrolled on the Reg. Mercantilde Madrid, Tomo 41019, folio 185 (M-727448). The Bank of New York Mellon, Survasal an España is geristered with Bancon de Senaña (registeration Tumber 1573).

Heg. Mercantitide Madrid, Jomo 41019, 10to 18b (M-72/4448). The blank of New York Mellon, Sucursal en España is registered with Banco de España (registration number 1573). Regulatory information in relation to the above BNY entities operating out of Europe can be accessed at the following website: <a href="https://www.bny.com/RID">https://www.bny.com/RID</a>. UK Financial Promotion Disclosure: This communication is being directed at, persons to whom it may lawfully be issued or directed at under the United Kingdom ("UK") Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "FPO") including regress who are subthorised ("exchanges") under the IME Financial Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "P-D") including persons who are authorised ("authorised persons") under the UK Financial Services and Markets Act 2000 Act (the "Act") and certain persons having professional experience in matters relating to investments. The products/services referenced in this communication are only available to such persons in the UK and this communication must not be relied or acted upon by any other persons in the UK.

Please note that the individual with whom you are communicating, has the authority to issue communications in relation to more than one entity within The Bank of New York Mellon Corporation group of entities. The communication is not covered by UK regulatory regime preference.

#### FOR CLIENTS LOCATED IN SWITZERLAND

FÖRCLENTS LOCATED IN SWITZERLAND

The information provided herein does not constitute an offer of financial instrument or an offer to provide financial services in Switzerland pursuant to or within the meaning of the Swiss Financial Services Act ("FinSA") and its implementing ordinance. This is solely an advertisement pursuant too or within the meaning of FinSA and its implementing ordinance. This contains an advertisement pursuant to or within the meaning of FinSA and and its implementing ordinance. Please be informed that The Bank of New York Mellon and The Bank of New York Mellon SA/NV enter into TIC derivative transactions as a counterparty, i.e. acting for their own account or for the account of one of their affiliates. As a result, where you enter into any OTC derivative transactions with us, you will not be considered a "client" (within the meaning of the FinSA) and you will not be enried to the protections otherwise afforded to clients under FinSA. Accordingly, this should not be considered an advertisement with respect to such transactions pursuant to or within the meaning of FinSA and its implementing ordinance.

The Bank of New York Mellon, Singapore Branch, is subject to regulation by the Monetary

the meaning of FinsA and its implementing ordinance.
The Bank of New York Mellon, Singapore Branch, is subject to regulation by the Monetary Authority of Singapore. The Bank of New York Mellon, Hong Kong Branch (a branch of a banking corporation organized and existing under the laws of the State of New York with limited liability), is subject to regulation by the Hong Kong Monetary Authority and the Securities & Futures Commission of Hong Kong.
For recipients of this information located in Singapore: This material has not been reviewed by the Monetary Authority of Singapore.
The Bank of New York Mellon is regulated by the Australian Prudential Regulation Authority and also holds an Australian Financial Services Licence No. 527917 issued by the Australian Securities and Investments Commission to provide financial services to wholesale clients in Australian.
The Bank of New York Mellon has various other subsidiaries, affiliates, branches and representative office in the Asia-Pacific Region which are subject to regulation by the

representative office in the Asia-Pacific Region which are subject to regulation by the relevant local regulator in that jurisdiction.

The Bank of New York Mellon, Tokyo Branch, is a licensed foreign bank branch in Japan

The Bank of New York Mellon, loyo Branch, is a licensed roreign bank branch in Japan and regulated by the Financial Services Agency of Japan. The Bank of New York Mellon Securities Company Japan Ltd. is a registered type 1 financial instruments business operator in Japan and regulated by the Financial Services Agency of Japan. The Bank of New York Mellon, DIFC Branch, regulated by the Dubai Financial Services Authority ("DFSA") and located at DIFC, The Exchange Building 5 North, Level 6, Room

601, P.O. Box 506723, Dubai, UAE, on behalf of The Bank of New York Mellon, which is a wholly-owned subsidiary of The Bank of New York Mellon Corporation.

wholly-owned subsidiary of The Bank of New York Mellon Corporation. Past performance is not a guide to future performance of any instrument, transaction or financial structure and a loss of original capital may occur. Calls and communications with BNY may be recorded, for regulatory and other reasons. Disclosures in relation to certain other BNY group entities can be accessed at the following website: https://www.bny.com/corporate/emae/en/disclaimers/eu-disclosures.html. This material is intended for wholesale/professional clients (or the equivalent only), and is not intended for use by retail clients and no other person should act upon it. Persons who do not have professional experience in matters relating to investments should not rely on this material. BNY will only provide the relevant investment services, and this material is only being distributed, to investment professionals. Not all products and services are offered in all countries. If distributed in the FLJ this material is a marketing communication.

Not all products and services are offered in all countries. If distributed in the EU, this material is a marketing communication. This material, which may be considered advertising (but shall not be considered advertising under the laws and regulations of Brunei, Malaysia or Singapore), is for general information purposes only and is not intended to provide legal, tax, accounting, investment, financial or other professional advice on any matter. This material does not constitute a recommendation or advice by BNY of any kind. Use of our products and services is subject to various regulations and regulatory oversight. You should discuss this material with appropriate advisors in the context of your circumstances before acting in any manner on this material or agreeing to use any of the referenced products or services and make your own independent assessment (based on such advice) as to whether the referenced products or services are appropriate or suitable for you. This material may not be comprehensive or up to date and there is no undertaking as to the accuracy, timeliness, completeness or fitness for a particular purpose of information

the accuracy, timeliness, completeness or fitness for a particular purpose of information given. BNY will not be responsible for updating any information contained within this material and opinions and information contained herein are subject to change without notice. BNY assumes no direct or consequential liability for any errors in or reliance upon this material.

This material may not be distributed or used for the purpose of providing any refe products or services or making any offers or solicitations in any jurisdiction or circumstances in which such products, services, offers or solicitations are unla not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements.

Any references to dollars are to US dollars unless specified otherwise.

This material may not be reproduced or disseminated in any form without the prior written permission of BNY. Trademarks, logos and other intellectual property marks belong to

permission or Brit materials, 1995 Their respective owners.

Services provided in the United States by BNY Mellon Capital Markets, LLC, member of FINRA, SIPC and a wholly owned subsidiary of The Bank of New York Mellon Corporation. Services provided in the United States by BINY Melion Capital Markets, LLL, member of FINRA, SIPC and a wholly owned subsidiary of The Bank of New York Mellon Corporation ("BNY"). Services provided in the United Kingdom by The Bank of New York Mellon, London Branch, a wholly owned subsidiary of BNY. The Bank of New York Mellon is a banking corporation organized pursuant to the laws of the State of New York, whose registered office is at 240 Greenwich St.N.N.Y10286, USA. The Bank of New York Mellon is a banking and regulated by the New York State Department of Financial Services and the US Federal Reserve and is authorized by the PRA. The Bank of New York Mellon operates in the UK through its London branch (UK Companies House numbers FC005522 and BR00018) at 160 Queen Victoria Street, London, EC24 KA and is subject to regulation by the FCA at 12 Endeavour Square, London, EC27 BAH. Details about the extent of our regulation by the PRA are available from us on request. The Bank of New York Mellon's Firm Reference Number is 122467, Pursuant to Title VII of The Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 and the applicable rules thereunder, The Bank of New York Mellon is provisionally registered as a swap dealer with the Commodify Futures Trading Commission, is a swap dealer member of the National Futures Association (NFA ID 0420990) and is conditionally registered as a security-based swap dealer with the Commodify Futures Trading Commission, is a swap dealer member of the National Futures Association (NFA ID 0420990) and is conditionally registered as a security-based swap dealer with the Commodify Futures Rocurlies Exchange Commission. Please contact your BNY representative for services available outside the United States and the United Kingdom.

FOR CLIENTS LOCATED IN JORDAN

These materials do not constitute a public offering prospectus under the laws of Jordan.

FOR CLIENTS LOCATED IN JORDAN

These materials do not constitute a public offering prospectus under the laws of Jordan. These materials are intended solely for use on a confidential basis by those persons to whom it is transmitted. These materials will be transmitted to potential investors in Jordan. (a) upon their request and confirmation that they understand that the contemplated securities have not been approved or licensed by or registered with the Jordan Securities Commission or any other relevant licensing authorities or governmental agencies in Jordan, and (b) on the condition that this document and the information contained herein will not be provided to any person other than the original recipient. These materials are not for general circulation in Jordan and may not be reproduced or used for any other purpose. The investments being marketed through this material have not been meant to be offered, sold or delivered in Jordan. BNY Mellon Capital Markets, LLC ("Capital Markets," is a full service registered broker-dealer and an indirect whollyowned non-bank subsidiary of The Bank of New York Mellon Corporation ("BNY"). BNY and its affiliates lend and provide other products and services to issuers and others, and provide and receive related fees and compensation. Capital Markets is a member of FINRA and SIPC, which protects securities customers of its members up to \$500.000 (including \$250.000 (or claims for eash). Explanatory brochure available upon request or at www.sipc.org. SIPC does not protect against loss due to available upon request or at www.sipc.org. SIPC does not protect against loss due to market fluctuation. SIPC protection is not the same as, and should not be confused with,

available upon request or at www.sipc.org. SIPC does not protect against uss oue warranket fuctuation. SIPC protection is not the same as, and should not be confused with, FDIC insurance.

This material is for reference purposes only and not intended to be a recommendation with respect to, or solicitation or offer to buy or sell, any particular financial instrument, including but not limited to BNY stock, or to participate in any particular trading strategy and is not tax, legal, investment or accounting advice. Nor is it an offer or solicitation in any jurisdiction in which such an offer or solicitation would be illegal. Capital Markets does not make representations as to the actual value to be received in connection with a transaction. Although information is from sources believed reliable, there is no undertaking as to accuracy and opinions and information contained herein are subject to change without notice. Difficulties in the mortgage and broader credit markets have led to a substantial decrease in the availability of credit. The extent and duration of any future continued weakening of U.S. and global credit and financial markets, higher costs of borrowing, and disruptions in debt and equity markets potentially make it more difficult to liquidate an investment, or determine the impact, if any, on the performance and prospects of particular issuers or securities. A client should not enter into any transactions unless it has fully understood all risks and than or all investments will be suitable, and has independently determined that such transactions are appropriate, for the client. Prices may fluctuate and it is possible that such fluctuations may be substantial in response to many factors including, without limitation, general market and market sector conditions, U.S. and global, in addition to company specific conditions. Past performance is not a guide to future performance of any instrument, transaction or financial structure, and a loss of original capital may occur.

This communication is being iss

This communication is being issued by BNY Mellon Capital Markets, LLC to, and/or is directed at, persons to whom it may lawfully be issued or directed at under the United Kingdom ("UK") Financial Services and Markets Act 2000 (Financial Promotion) Order Angoon ( Nr. ) Financial services and markets and caude ("authorised persons") under the UK Financial Services and Markets Act 2000 (act ("authorised persons") under the UK Financial Services and Markets Act 2000 Act (the "act") and certain persons having professional experience in matters relating to investments. The products/services referenced in this communication are only available to such persons in the UK and this communication must not be relied or acted upon by any other persons in the UK.

BNY Mellon Capital Markets, LLC is not an "authorised person" in the UK under the Act. Please note that the individual with whom you are communicating, has the authority to issue communications in relation to more than one entity within The Bank of New York Mellon Corporation group of entities, and may not be employed by BNY Mellon Capital Markets, LLC. The communication is not covered by UK regulatory regime protections. This communication is exempt from the general restriction in Section 21 of the Act on the communication of invitations or inducements to engage in investment activity on the grounds that it is being issued to and/or directed at only the types of person referred to above.

to above.

The content of this communication has not been approved by an authorised person and such approval is, save where this communication is directed at or issued to the types of person referred to above, required by Section 21 of the Act.

person referred to above, required by Section 21 or an exact.

BNY Mellon Capital Markets, LLC is not providing any facilitation or arranging services to you in connection with products/services referenced in this communication. The services

will be contracted with and delivered by BNY Mellon Capital Markets, LLC alone and recipients of the services will be entering into the BNY Mellon Capital Markets, LLC contractual documents directly with BNY Mellon Capital Markets, LLC.

Any contractual terms will be subject to approval by BNY Mellon Capital Markets, LLC. Fixed Income Securities. Fixed income investments, including municipal bonds, are subject to various risks including changes in interest rates, call features, credit quality, possible default, difficulty in market valuations, liquidity, prepayments, early redemption, tax ramifications, inflation and other factors.

Floating Rates. Investment in any floating rate instrument presents unique risks, including the discontinuation of the floating rate reference or any successors or fallbacks thereto. Capital Markets does not guarantee and is not responsible for the availability or continued existence of a floating rate reference associated with any particular instrument. Before investing in any floating rate instrument, please evaluate the risks independently with your financial, tax and other advisors as you deem necessary.

Treasury and Government Agency Obligations. Not all obligations of the U.S. government or its agencies and instrumentalities are backed by the full faith and credit of the U.S. Treasury. In addition, if not held to mat novements in response to economic conditions

Corporate Debt. Corporate debt securities are subject to risks including, but not limited to: early call or redemption risk, reinvestment risk, interest rate risk, credit risk, event risk, sector risk or market risk.

Commercial Paper, Commercial paper, an unsecured, short-term debt instrument, is not usually backed by any form of collateral, and although there may be back up lines of credit or back up liquidity, may still be subject to default by the issuer.

or dack up requestly, may stut us explored to default by the issuer. Certificates of Deposit. Certificates of Deposit are most suitable for holding until maturity, Early withdrawal of any CD may not be available and may be subject to applicable penalties.

CDs: Limits on FDIC insurance. If you have or will have money on deposit (such as a savings account) at the same insured institution that issues the CDs, the total value of your deposit accounts could exceed the amount of FDIC insurance to which your deposits. cluding CDs) are entitled.

Yankee CDs/No FDIC Insurance. Yankee CDs are not FDIC insured in whole or in part. Yankee Obs/No FDIC Insurance. Yankee Obs are not FDIC insured in whole or in part. Money Market Mutual Funds and Ultra Short Bond Funds. Money market funds generally only invest in certain high-quality, short-term investments issued by the U.S. government, U.S. corporations and state and local governments and are subject to strict diversification and maturity standards. Ultra-short bond funds are not subject to these requirements. The net asset value (NAV) of an ultra-short bond fund will fluctuate, while money market funds seek to maintain a stable NAV of \$1 per share, although there is no guarantee that they will achieve this goal.

Not acting as Municipal Advisor, Financial Advisor or Fiduciary: Capital Markets is providing the information contained in this document for discussion purposes only in

goal antee that usey with achieve with signal.

Not acting as Municipal Advisor, Financial Advisor or Fiduciary: Capital Markets is providing the information contained in this document for discussion purposes only in anticipation of serving as an Underwriter, Broker-Dealer, CP Dealer or Remarketing Agent to the addressee and is not recommending any action to the addressee. The primary role of Capital Markets, as Underwriter, is to sell and purchase securities, as applicable, to and from investors, in arm's length commercial transactions; Capital Markets has financial and other interests that differ from those of the addressee. As such, Capital Markets is not acting as a municipal advisor, financial advisor or fiduciary to the addressee or any other person or entity in connection with the information provided. The information provided is not intended to be and should not be construed as "advice" within the meaning of Section 15B of the Securities Exchange Act of 1934 or the rules thereunder. The addressee should consult with its own financial and/or municipal, legal, accounting, tax and other advisors, as applicable, to the extent it deems appropriate. If the addressee would like a municipal advisor to serve in that capacity, Notwithstanding the foregoing, Capital Markets is registered as a municipal advisor to serve in that capacity, Notwithstanding the foregoing, Capital Markets is registered as a municipal advisor and may, from time to time, act as a municipal advisor to when the addressee is free to engage a municipal advisor to serve in that capacity, Notwithstanding the foregoing, Capital Markets is registered as a municipal susuers and their investments. Issuers should contact their Capital Markets as a municipal advisor.

Mutual Funds. Before investing in mutual funds, it is important to understand the sales charges, expenses, and management fees that you will be charged, as well as any article to insure a devaluation for the capital Markets as a municipal advisor.

Mutual r-unds. Serice investing in mutual runds, it is important to understand the sales charges, expenses, and management fees that you will be charged, as well as any available volume-based breakpoint discounts, and whether the mutual fund's investment strategy is compatible with your investment objectives. Equity Securities. Prices may fluctuate and it is possible that such fluctuations may be substantial in response to many factors including, without limitation, general market and market sector conditions, U.S. and global, in addition to company specific conditions. Dividends are not guaranteed and are subject to change or elimination.

Evahence Traded Eurols (ETE) ETEs regardly represent an interest in a portfolio of

Exchange-Traded Funds (ETFs). ETFs generally represent an interest in a portfolio of securities and/or commodities, subjecting the investor to a substantial loss in principal and income due to market risk, interest rate risk, liquidity risk, currency exchange risk, and risks specific to a particular sector.

Options. Options carry a high level of risk and are not suitable for all investors. An option holder may lose the entire amount paid for the option in a relatively short period of time and an options writer may incur significant loss if the price of the underlying interest

Investment Banking and Public Finance. The Company should discuss any financial instrument offering, engagement, or relationship with its own counsel and financial advisors. Capital Markets does not provide tax, legal, or accounting advice, and any information provided by Capital Markets does not include the legal, tax or accounting

effects of consummating any transaction.

No Tax, Legal or Accounting Advice, Capital Markets does not provide tax, legal, or accounting advice. You should independently and carefully consider whether any information or investment instruments are suitable for your particular investment objectives and financial position and, if you believe it appropriate, seek professional

objectives and financial position and, if you believe it appropriate, seek professional advice, including tax, legal and accounting advice.

Past performance is not indicative of nor a guarantee of future performance and a loss of original capital may occur. You should not enter into any transactions unless you have fully understood all risks, that not all investments will be suitable, and you have independently determined that such transactions are appropriate, for you. Investing in securities involves risk, including loss of the principal amount invested. Additional information is provided on FINRA's Web site at https://www.finra.org/investors/learnto-invest/key-investing-concepts/evaluating-investinet-performance.

Mortgage Backed Securities (MBS), Potential issuers of securities should discuss any financial advisors. Beginning in the second half of 2007, difficulties in the mortgage and broader credit markets led to a substantial decrease in the availability of credit. As a result, U.S., European and global credit and financial advests in general have been, and

broader credit markets led to a substantial decrease in the availability of credit. As a result, U.S. European and global credit and financial markets in general have been, and are experiencing difficulties. The extent and duration of any future continued weakening of these markets, higher costs of borrowing, and disruptions in debt and equity markets may potentially make it more difficult to issue a financial instrument, exit an investment or define the impact, if any, on the performance and prospects of particular issuers or securities. There can be no assurance that any of the governmental or private sector initiatives designed to strengthen the condition of the credit markets will be successful, and there is no way to know the effect that these initiatives will have on the performance of any particular securities or issuers.

Only GNNA is backed by the full faith and credit of the U.S. Government. Securities issued by Fannie Mae. Freddie Mae and MBS in seneral have recently experienced volatility and

by Fannie Mae, Freddie Mac and MBS in general have recently experienced volatility and other increased risks due to homeowner defaults and severe problems in the housing

market. Structured products are not suitable for all investors. Structured Products are subject to special risks and considerations. All relevant offering documents including, but not limited to, term sheets and prospectuses should be consulted and understood prior to investing. Investors should understand characteristics, risks, and potential rewards. Investors should contact their own accounting, tax or legal advisors to review the

interestors should contact their own accounting, tax or legal across to review to suitability of any investment.

Securities Direct®. Securities Direct® is the registered trademark of The Bank of Ne York Mellon Corporation.

Not all products and services are offered in all countries. The Bank of New York Mellon, member of the Federal Deposit Insurance Corporation ("FDIC").

Securities Products: Not FDIC-Insured - Subject to Loss in Value - Not a Deposit of or Guaranteed by a Bank or any Bank Affiliate.

©2025 BNY Mellon Capital Markets, LLC. All rights reserved. Trademarks, service mar and logos are the property of their respective owners.

©2025 The Bank of New York Mellon Corporation. All rights reserved