

Money Market Funds as Collateral

July 2016

At a recent webinar, BNY Mellon and experts from the asset management industry discussed the drivers, mechanics and challenges of using money market funds as collateral.

WEBINAR PARTICIPANTS

Paul Clarke, Director, BlackRock

Andrew Eady, Treasurer, Société Générale Newedge UK Limited

Jason Garwood, Managing Director, BNY Mellon Markets

James Morek, BlackRock

Duncan Perry, Executive Director, Morgan Stanley Investment Management

Brian Staunton, Managing Director, BNY Mellon Markets

SHORT-TERM MONEY MARKET FUNDS – A PRIMER

Money market funds are popular with institutional investors for many reasons.

- operational ease including T+0 settlement
- investment diversification across a number of underlying issuers vs. having counterparty risk to a single bank or small group of banks
- AAA rating from at least one of the major rating agencies
- competitive returns when compared to other overnight investments

Institutional investors who use money market funds tend to invest in two distinct strategies depending upon their risk and return preferences i) government/treasury style funds, with exposure to treasury bills or government paper, or ii) prime/liquidity funds which have exposure to very high quality, short-dated financial and corporate debt issuances such as commercial paper, certificates of deposit, time deposits, repo, etc. Therefore, government/treasury fund strategies have the more conservative form of exposure hence they tend to generate lower yields than prime/liquidity fund strategies.

Money market fund investment managers charge a management fee for their services which include credit analysis, portfolio management and the operational administration of the fund. Generally, the objective of these funds is to preserve capital and provide daily liquidity whilst earning a market-related return.

HOW DO INVESTORS PURCHASE MONEY MARKET FUNDS?

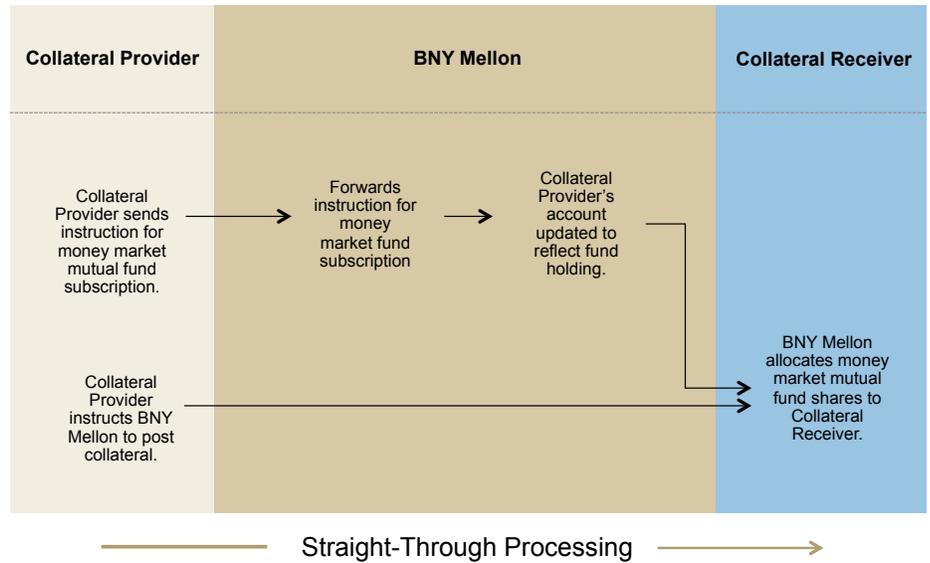
Investors can purchase shares in money market funds by either

- going directly to an individual fund company or
- leveraging an industry platform such as BNY Mellon's Liquidity DIRECTSM



Liquidity DIRECT is a global, multi-fund, multicurrency online platform. Fund shares purchased through Liquidity DIRECT are held in custody at BNY Mellon. These fund shares are then available to be used as collateral in any type of collateralized transaction (e.g., repo, stock loan, etc.) upon approval by the parties to the transaction. Through BNY Mellon’s platform, investors send cash to invest in money market funds, and the funds are then purchased through a variety of methods including SWIFT. Settlement occurs in a straight-through processing (STP) environment, and collateral allocation is based on agreed collateral schedules.

USING MONEY MARKET MUTUAL FUND SHARES AS COLLATERAL – KEY PROCESS STEPS



MONEY MARKET FUNDS AS COLLATERAL – PROOF OF CONCEPT

SG Newedge UK purchased money market fund shares using the Liquidity DIRECT platform. These fund shares were held in custody at BNY Mellon. SG Newedge UK then entered into an open repo transaction in which it received euro cash and provided money market fund shares as collateral, and the collateral receiver had the right of reuse. The money market fund shares moved from SG Newedge UK’s account at BNY Mellon to the collateral receiver’s account, which was also at BNY Mellon. The collateral receiver was then in a position to use the money market fund shares as collateral in tri-party transactions with an agent lender where money market funds were part of the collateral schedule. One week later, the transaction was closed out, and the shares were successfully returned to SG Newedge UK’s account. BNY Mellon’s Liquidity DIRECT platform facilitated the transferability of the money market funds shares between the different parties.

MARKET DEMAND

Regulatory pressures and market dynamics are creating a demand for non-cash collateral as opposed to cash collateral particularly for cleared and non-cleared derivatives as well as securities lending transactions. However, some institutional investors do not have the infrastructure to efficiently post non-cash collateral for these types of transactions, so using money market funds as collateral may make sense from a resource, timing and technology perspective. This also may provide a solution for inter-affiliate positions where one side of the transaction is not used to posting anything other than cash.

THE CCP CHALLENGE

In Europe, collateral pledged to Central Clearing Counterparties (CCPs) must fulfill certain liquidity requirements under the European Securities and Markets Authority (ESMA) technical standards, including evidence of a secondary market for money market funds, to be deemed a transferable security. This poses a challenge for money market funds which are not currently traded on an exchange. In the US, money market funds are being used as collateral on the CME's IEF2 (collateral management) platform, but there is currently no such activity in Europe. Posting cash collateral can at times prove difficult for clearing members and can also present challenges for CCPs in terms of reinvestment. There is a real desire in Europe to work toward a solution of increasing the available options that can be accepted by CCPs.

ADVANTAGES OF USING MONEY MARKET FUNDS AS COLLATERAL

Money market funds could offer many advantages when used as collateral. They are a mature product used by a large number of market participants across a range of industry sectors.

The scale and diversification of a money market fund provide comfort to the collateral giver and the receiver. In addition money market funds are more liquid compared to other options. In the event that a borrower defaults on a loan transaction, collateral receivers may generally liquidate that particular holding of a money market unit on the same day or next day, depending on the cut-off time. Money market funds are also governed by a strong control structure including requirements from ESMA, various rating agencies and the Institutional Money Market Funds Association (IMMFA). In addition, all IMMFA money market funds are UCITS and fall under that control structure. The structure of money market funds can also help market participants with increasing transparency requirements, that provide look through to the underlying portfolio holdings on a regular basis which can therefore help provide capital relief. Lastly, the yield could be often more favorable versus cash.

MONEY MARKET FUNDS – IS NOW THE TIME?

In today's market, the non-cash collateral mix predominantly consists of equities and bonds, but with regulatory requirements and the predicted collateral scarcity, market participants need more options. Money market funds have a large industry presence and could provide collateral providers and receivers ease of use, transparency and other advantages. Now is the time to explore using money market funds as collateral.

bnymellon.com

In Japan, services in relation to Liquidity DIRECT (except for safekeep margin balances) are not being offered and not available currently.

BNY Mellon 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 subsidiaries generally. This material and any products and services may be issued or provided under various brand names in various countries by duly authorized and regulated subsidiaries, affiliates, and joint ventures of BNY Mellon, which may include any of the following. The Bank of New York Mellon, at 225 Liberty St, NY, NY USA, 10286, a banking corporation organized pursuant to the laws of the State of New York, and operating in England through its branch at One Canada Square, London E14 5AL, UK, registered in England and Wales with numbers FC005522 and BR000818. 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 authorized by the Prudential Regulation Authority. The Bank of New York Mellon, London Branch is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request. The Bank of New York Mellon SA/NV, a Belgian public limited liability company, with company number 0806.743.159, whose registered office is at 46 Rue Montoyerstraat, B-1000 Brussels, Belgium, authorized and regulated as a significant credit institution by the European Central Bank (ECB), under the prudential supervision of the National Bank of Belgium (NBB) and under the supervision of the Belgian Financial Services and Markets Authority (FSMA) for conduct of business rules, and a subsidiary of The Bank of New York Mellon. The Bank of New York Mellon SA/NV operates in England through its branch at 160 Queen Victoria Street, London EC4V 4LA, UK, registered in England and Wales with numbers FC029379 and BR014361. The Bank of New York Mellon SA/NV (London Branch) is authorized by the ECB and subject to limited regulation by the Financial Conduct Authority and the Prudential Regulation Authority. Details about the extent of our regulation by the Financial Conduct Authority and Prudential Regulation Authority are available from us on request. The Bank of New York Mellon SA/NV operating in Ireland through its branch at 4th Floor Hanover Building, Windmill Lane, Dublin 2, Ireland trading as The Bank of New York Mellon SA/NV, Dublin Branch, is authorized by the ECB and is registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E. The Bank of New York Mellon, Singapore Branch, subject to regulation by the Monetary Authority of Singapore. The Bank of New York Mellon, Hong Kong Branch, subject to regulation by the Hong Kong Monetary Authority and the Securities & Futures Commission of Hong Kong. If this material is distributed in Japan, it is distributed by The Bank of New York Mellon Securities Company Japan Ltd, as intermediary for The Bank of New York Mellon. Not all products and services are offered in all countries.

The information contained in this material is intended for use by wholesale/professional clients or the equivalent only and is not intended for use by retail clients. If distributed in the UK, this material is a financial promotion.

This material, which may be considered advertising, 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 by BNY Mellon 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 given. BNY Mellon 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 Mellon 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 referenced products or services or making any offers or solicitations in any jurisdiction or in any circumstances in which such products, services, offers or solicitations are unlawful or not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements.

Money market fund shares are not a deposit or obligation of BNY Mellon. Investments in money market funds are not insured, guaranteed, recommended or otherwise endorsed in any way by BNY Mellon, the Federal Deposit Insurance Corporation or any other government agency. Although a money market fund seeks to preserve the value of your investment at \$1.00 per share, fund shares are subject to investment risk and your investment may lose value. Money market fund yield performance represents past performance, which is no guarantee of future results and investment returns will fluctuate. Before investing, investors should carefully consider the investment objectives, risks, charges, tax impact and expenses of the fund that are explained in each fund's prospectus. The following factors, among many, could reduce any one fund's income level and/or share price: interest rates could rise sharply, causing the value of the fund's investments and its share price to drop; interest rates could drop, thereby reducing the fund's yield; any of the fund's holdings could have its credit rating downgraded or could default; and there are risks generally associated with concentrating investments in any one industry. Investments in instruments of non-U.S. issuers are subject to the risks of certain domestic events—such as political upheaval, financial troubles, nationalization (certain assets, entities or sectors) or natural disasters—that may weaken a country's securities markets. Country risk may be especially high in emerging markets. Such investments may be affected by market risk on a global scale based on responses of certain foreign markets to markets of other countries or global market sectors. Foreign-currency denominated securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of, or income derived from, the investment. Investments in foreign instruments are subject to the risk that the value of a foreign investment, measured in U.S. dollars, will decrease because of unfavorable changes in currency exchange rates.

Securities instruments and services other than money market mutual funds and off-shore liquidity funds are offered by BNY Mellon Capital Markets, LLC.

All references to dollars are in US dollars unless specified otherwise.

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

The Bank of New York Mellon, member FDIC.

© 2016 The Bank of New York Mellon Corporation. All rights reserved.

09/2016

GET TO KNOW US

Our Collateral Universe gives you a multi-dimensional understanding of your collateral through market leading technology and experts who care about your distinct requirements. Our approach is global in scope, regional in design and local in delivery. But don't just read about it. Let us show you.

To learn more, please contact your local Relationship Manager or any of the following individuals:

AMERICAS

Drew Demko

andrew.demko@bnymellon.com

+1 212 815 4450

Ted Thresher

ted.thresher@bnymellon.com

+1 212 815 4512

ASIA PACIFIC

David James Brown

david.j.brown@bnymellon.com

+65 6432 0205

Filippo Santilli

filippo.santilli@bnymellon.com

+852 2840 6664

JAPAN ONLY

The Bank of New York Mellon Securities Company Japan Ltd.

Hiroshi Ohno

hiroshi.ohno1@bnymellon.com

+81 3 6756 4320

EUROPE, MIDDLE EAST & AFRICA

Mark Higgins

mark.higgins@bnymellon.com

+44 20 7163 3456

Ingrid Garin

ingrid.garin@bnymellon.com

+322 545 8666

Alistair Griffiths

alistair.griffiths@bnymellon.com

+44 207163 4644

Additional information is available at www.bnymellon.com/collateralmanagement

