AASBO

Trends in Cash Management

February 7, 2023





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Agenda

- Monetary Policy
- Defining Cash Management
- Cash Bifurcation to Maximize Return
- Cash Optimization
- Fraud Prevention Best Practices
- Trends in Cash Management Technology
- Questions

Monetary Policy Trends



Fed Funds: Meeting Outcome Probability

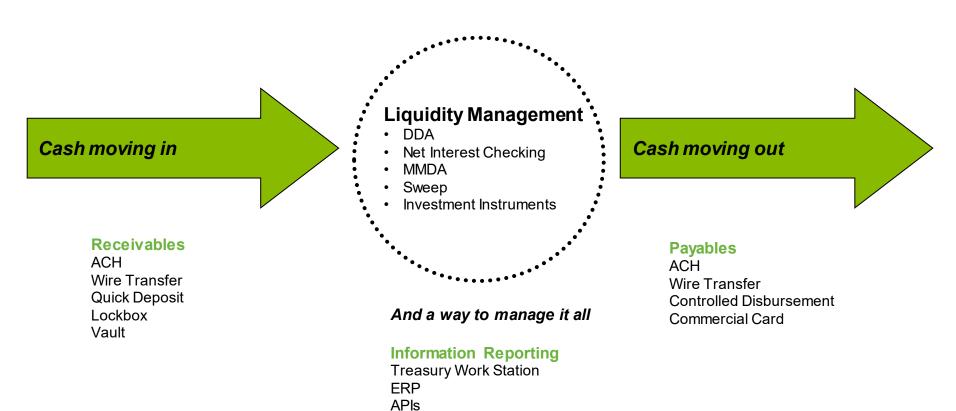
| MEETING PROBABILITIES | | | | | | | | |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| MEETING DATE | 350-375 | 375-400 | 400-425 | 425-450 | 450-475 | 475-500 | 500-525 | 525-550 |
| 2/1/2023 | 0.0% | 0.0% | 0.0% | 0.0% | 98.2% | 1.8% | 0.0% | 0.0% |
| 3/22/2023 | 0.0% | 0.0% | 0.0% | 0.0% | 17.0% | 81.5% | 1.5% | 0.0% |
| 5/3/2023 | 0.0% | 0.0% | 0.0% | 0.0% | 10.0% | 55.1% | 34.3% | 0.6% |
| 6/14/2023 | 0.0% | 0.0% | 0.0% | 0.0% | 9.2% | 51.1% | 36.1% | 3.6% |
| 7/26/2023 | 0.0% | 0.0% | 0.0% | 1.8% | 17.5% | 48.1% | 29.7% | 2.9% |
| 9/20/2023 | 0.0% | 0.0% | 0.6% | 7.3% | 28.2% | 41.7% | 20.3% | 1.9% |
| 11/1/2023 | 0.0% | 0.3% | 3.3% | 15.6% | 33.6% | 33.1% | 13.0% | 1.2% |
| 12/13/2023 | 0.2% | 2.7% | 13.2% | 30.0% | 33.2% | 17.0% | 3.5% | 0.2% |

- Record levels of liquidity remain in economy that was issued during pandemic
- > 2022 saw a record Fed Funds increase from 0% 4.50%
- 2023 inflationary pressures continue to drive rate increases
- Yield curve driving abnormal liquidity optimization strategies

Defining Cash Management



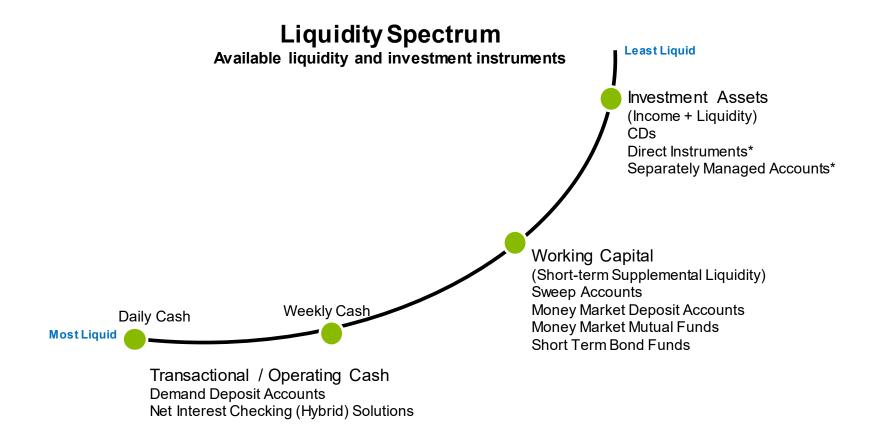
Corporate cash management is continuously evolving. It is important to evaluate the shifting environment impacting liquidity management and the tools available to maximize liquidity.



Structuring Solutions – Cash Bifurcation REGIONS



Instruments that support the cash flow cycle can be thought of as a liquidity spectrum. Three main categories contain individual solutions which, when combined, serve as a foundation to a successful liquidity management approach



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Liquidity Rates by Product



Market Liquidity Products

R a t e Direct Securities, Separate Accounts, Bond Funds, etc...

Certificate of Deposit (CD)

Money Market Funds

Money Market Account

Earnings Credit Rate, Interest Checking

- ECR rates have historically lagged Fed Funds 1.50% to 2.00% but are lagging much more during this rate upcycle.
- Money market rates have been more closely aligned with the Fed Funds rate but still lag when compared to previous rate upcycles.

Structure of the Investment Policy Statement



Executive Overview

 Brief overview of your organization covering the purpose of the funds along with a summary covering why the Investment Policy exists

Scope

· Outlines which funds or pool of assets are covered by the Investment Policy

Objective

- Outlines goals for the funds
 - · Preservation or Safety of Principal
 - · Maintain a good liquidity position to meet demands
 - · Obtain fair market rate of return

Investment Guidelines

- Must be unique to the organizational situation and cash flow needs
- Clearly outline the organization's risk tolerances

Responsibility & Control

- Define who has control of what functions on a day-to-day basis
- · Diversification of internal controls

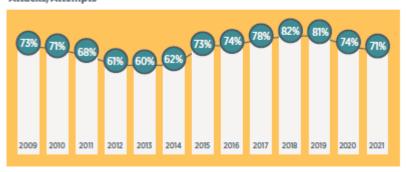
Performance Measurement & Benchmarking

Benchmarking which will allow performance comparison with peers

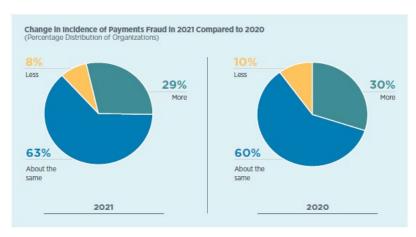
Payment Fraud and Control Survey Highlights REGIONS

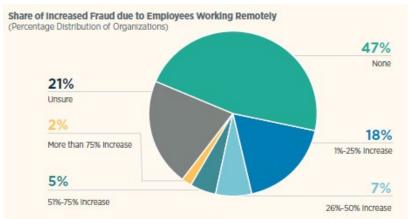


Percent of Organizations That Are Victims of Payments Fraud Attacks/Attempts



- Overall attacks have decreased
- Steady decline since 2018, but remains an issue
- 63% report "About the Same"
- 29% report "More"
- Remote work considered a factor for 32%





BEST PRACTICES



1

Reconcile to spot abnormal activity

- · Reconcile your accounts in a timely manner.
- Segregate your accounts by purpose, type, and/or payment method.



Place stop payments on any checks that have been lost or stolen

Convert paper payments to electronic payments

For Employees

- Use Automated Clearing House (ACH).
- If an employee does not have a bank account, offer to deposit their pay directly to a payroll card that allows them to use it like a bank debit card.

For Vendors

- Pay via ACH or purchasing card.
- Use wire transfers for high-value or time sensitive payments as well.

Securely store check stock, deposit slips and bank statements, then destroy securely



Use Positive Pay

This powerful tool allows you to send information to your bank about the checks you've written so that when checks come in to pay, they are matched to what you've told them. Positive Pay is also available for ACH. If you've authorized a supplier or other partner to draft money from your account you can pre-approve these transactions.



Trends in Technology



- Record levels of liquidity released into economy during the pandemic
- > Banks moving to "Real Time" deposit core systems
- Virtual Account Management
- Treasury Workstations / ERP
- API (Application Programming Interface)
- Embedded Finance / Open Banking

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QUESTIONS

Jason Sweatt

Senior Vice President Head of Liquidity and Deposit Management 205-264-7419

jason.sweatt@regions.com

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