



Best Practices in Public Entity Investing: Investing for Small to Medium Sized Governments





PROMOTING EXCELLENCE IN GOVERNMENT



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- As a fixed-income short duration strategist, Garret specializes in short-term fixed income research and produces a daily
 publication as well as periodic publications specifically for short-term investors.
- Daily Short Stuff is an analytical rate sheet showing index and indicative levels for short-term instruments with commentary on important market movements, economic indicators and relevant news stories.
- Garret was a contributing author to the Frank Fabozzi textbook Structured Products and Related Credit Derivatives, and
 has been quoted in Bloomberg News, Reuters and The Washington Post. He has been a speaker at Crane's Money Fund
 Symposium and Money Fund University, at iMoneyNet's Money Market Expo and Money Fund Forum, at various GFOA and
 APT conferences.
- Garret earned his bachelor's degree in Finance and International Business from the University of Lethbridge in Alberta,
 Canada. He also earned his MBA in Finance from the Marriott School at Brigham Young University.
- Garret is a Chartered Financial Analyst and a member of the North Carolina Society of Financial Analysts and holds Series
 7 and 63 licensures.





Learning Objectives

At the end of this session, you will be able to

- Recall investment policy considerations safety, liquidity, return on investment
- Discuss various investment vehicles money market mutual funds, investment pools, capital management trusts, certificates of deposit, and commercial paper
- Identify credit ratings as it pertains to investing
- Recall the importance of benchmarking and tracking performance





Investment Policy Considerations

You should consult your own internal investment personnel, municipal or investment advisers, legal counsel and other advisers regarding investment policy development, revision or interpretation.

WFS and its investment representatives do not act as Municipal Advisors and only provide investment advice or recommendations with respect to bond proceeds as permitted by available exemptions.

Poll Question

Does your government have an investment policy?

- A. Yes
- B. No





Investment Policy Considerations

Establishing the general purpose of the portfolio

- Why is the cash there in the first place? What is it used for?
 - It is the policy of "the city of Daveville" to invest funds in a manner that will...

Define the scope of the cash that you will be managing

- What pools of cash does the policy apply to?
 - \bullet $\,$ This investment policy applies to all financial assets of the city of Daveville...
 - This investment policy applies to all short-term investments
 - ✓ Cash for daily operating needs
 - ✓ Reserve cash portfolio
 - Strategic cash portfolio





Investment Policy Considerations

Objective

- Define the Objective of the Portfolio
 - Pension fund portfolio is managed differently than an operating cash portfolio
- The Trifecta
 - **Safety -** Safety of principal is the foremost objective of the investment program. Investments of the (entity) shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio. To attain this objective, the (entity) will diversify its investments by investing funds among a variety of securities offering independent returns and financial institutions.
 - Liquidity the city of Daveville's investment portfolio will remain sufficiently liquid to enable the company's operating requirements which might be reasonably anticipated.
 - Return on Investment the city of Daveville's investment portfolio shall be designed with the objective of attaining a suitable rate of return, commensurate with the company's investment risk constraints and the cash flow needs of the portfolio.

Source: Wells Fargo Securities, LLC





Investment Policy Considerations

Delegation of Authority

- Who does what?
 - Who approves the policy?
 - Who can trade on the account?
 - Are there varying levels of approval?
 - Can one person transact on the account or do multiple people need to sign off on investments?

Ethics

Could the actions of an investing employee conflict with the desires of the firm?





Investment Policy Considerations

Authorization of Financial Institutions?

- Do you trade with everyone? Or a smaller list of approved institutions?
 - If a smaller group, what criteria do you use to set that smaller group? How
 often is this reviewed?
 - Could be based on "primary dealer" status, banking relationship, credit quality, size, those that are registered with the SEC's uniform net capital rule 15C3-1, or proof of FINRA certification, state registration, or other criteria.

Source: Wells Fargo Securities, LLC





Investment Policy Considerations

Authorized Investments – Defines the general universe, not specific strategies

Investment Type	Asset Class Concentration	Issuer Concentration	Quality	Maximum Maturity
Certificates of deposit in amounts covered by FDIC	=<100%	=<100%	$S \& P \ge A/A-2$ Moody's $\ge A3/P-2$ Fitch $\ge A/F2$	3 Years
U.S. Treasury obligations	=<100%	=<100%	N/A	3 Years
U.S. government sponsored enterprises or agency obligations	=<50%	= <2.5%	N/A	2 Year
Commercial paper	=<40%	=<5%	$S \& P \ge A-2 \mod y \le P-2$ Fitch $\ge F2$	Tier 1<270 Days Tier 2 <270 Days
Money market mutual funds regulated by SEC rule 2a-7	=<100%	Treasury=<100% Prime=<60% Fund Assets =< 3%	$S\&P \ge AAAm Moody's \ge Aaamf Fitch \ge AAAmmf$	N/A
State or local government or public authority investment grade obligations	=<25%	=<5%	S &P \geq AA/A-1 Moody's \geq Aa2/P-1 Fitch \geq AA/F1	1 Year
Repurchase agreements	- <100%	Government=<20% Non-Government=<10	S & P \geq A/A-1 Moody's \geq A/P-1 Fitch \geq A/F1	Overnight
Corporate bonds	=<20%	=<5%	S & P \geq AA/A-2 Moody's \geq Aa1/P-1 Fitch \geq AA/F1	1.5 Years

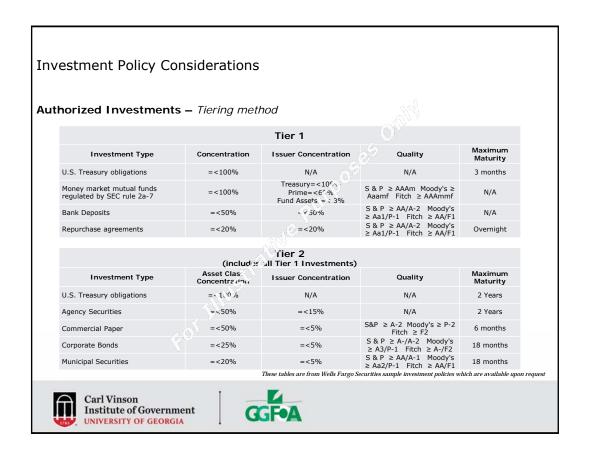
Source: Wells Fargo Securities, LLC

 $These \ tables \ are from \ Wells \ Fargo \ Securities \ sample \ investment \ policies \ which \ are \ available \ upon \ request$





ed Investments – Defines	the general univ	erse, not specific	strategies
Investment Type	Tier 1 – First \$X Million	Tier 2 – Above First \$X Million up to \$Y Million	Tier 3 – Above \$Y Million
Certificates of deposit in amounts covered by FDIC	Yes Up to 3 Months	Yes Up to 2 Years	Yes Up to 2 Years
U.S. Treasury obligations	Yes Up to 3 Months	'es to 3 Years	Yes Up to 3 Years
U.S. government sponsored enterprises or agency obligations		Yes Up to 2 Years	Yes Up to 2 Years
Commercial paper	Yes A1/P1 up to 90 L ays	Yes A1/P1 up to 9 Months A2/P2 up to 6 Months	Yes A1/P1 up to 9 Months A2/P2 up to 6 Months
Money market mutual funds regulated by SEC rule 2a-7	Yes O	Yes	Yes
State or local government or public authority investment grade obligations		Yes AA-/Aa3 up to 3 Years	Yes A-/A3 up to 3 Years
Repurchase agreements	Yes Treasuries, Agencies, Agency MBS		
Corporate bonds		Yes Up to 18 Months	Yes Up to 18 Months
Asset-backed Securit e3			Yes Consumer ABS Tranche A-/A3 Up to 3 Years
e minimum accepted ratings rgo Securities, LLC	These tables are from W	'ells Fargo Securities sample invest	tment policies which are availab



Investment Policy Considerations

- The Investment policy is not the playbook, it is the rulebook
- If in doubt...ask
- Document all transactions and keep a record
- Ensure that you have the authority as well as the responsibility
 - Understand the extent of your authority and how it was delegated to you

Does your policy protect you?:

- "Investments shall be made with judgment and care—under circumstances then prevailing—which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived."
- The "prudent person" and/or "prudent investor" standard shall be applied in the context of managing the overall portfolio. Investment officers acting in accordance with written procedures and the investment policy and exercising due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.





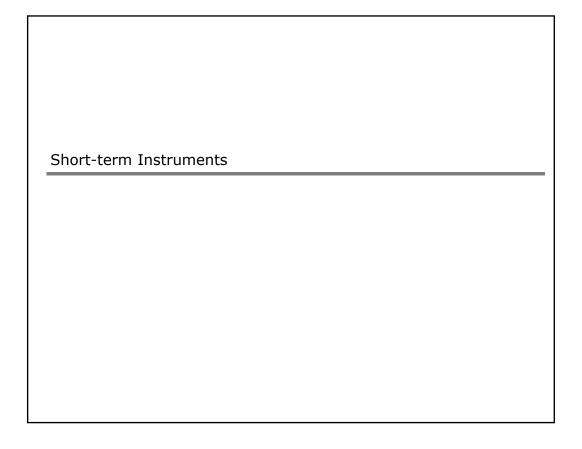
Knowledge Check

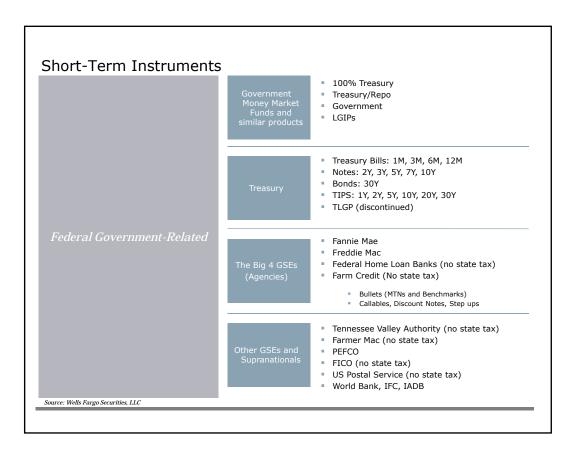
The foremost objective of an investment program is:

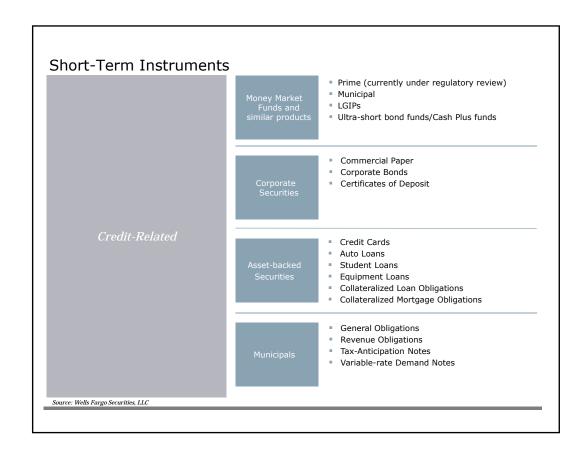
- A. Yield
- B. Liquidity
- C. Safety of principal
- D. Positive arbitrage



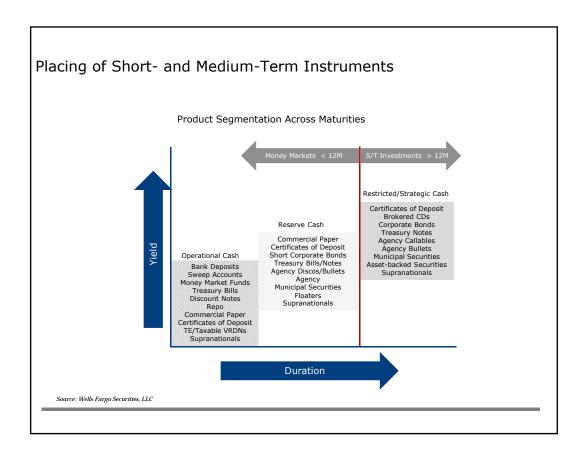








Placement of Short-term Instruments



Credit Ratings		

Rating Agencies - S&P

Each agency has its own methodology and approach to credit analysis

LONG TERM

- AAA An obligation rated 'AAA' has the highest rating assigned by Standard & Poor's. The obligor's
 capacity to meet its financial commitment on the obligation is EXTREMELY STRONG.
- A An obligation rated 'A' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher rated categories. However, the obligor's capacity to meet its financial commitment on the obligation is still STRONG.

SHORT-TERM

- A-1 A short term obligation rated 'A-1' is rated in the highest category by Standard & Poor's. The obligor's capacity to meet its financial commitment on the obligation is strong. Within this category, certain obligations are designated with a plus sign (+). This indicates that the obligor's capacity to meet its financial commitment on the obligation is extremely strong.
- A-2 A short-term obligation rated 'A-2' is somewhat more susceptible to the adverse effects of changes
 in circumstances and economic conditions than obligations in higher rating categories. However, the
 obligor's capacity to meet its financial commitment on the obligation is satisfactory.

 $Source: Moody's \ Investors \ Service, \ Standard \ and \ Poor's, \ and \ Wells \ Fargo \ Securities, \ LLC$

Rating Agencies - Moody's

Each agency has its own methodology and approach to credit analysis

LONG TERM

- Aaa Obligations rated Aaa are judged to be of the highest quality, with minimal risk
- Aa Obligors rated Aa are judged to be of high quality and are subject to very low default risk
- A Obligations rated A are considered upper-medium grade and are subject to low credit risk

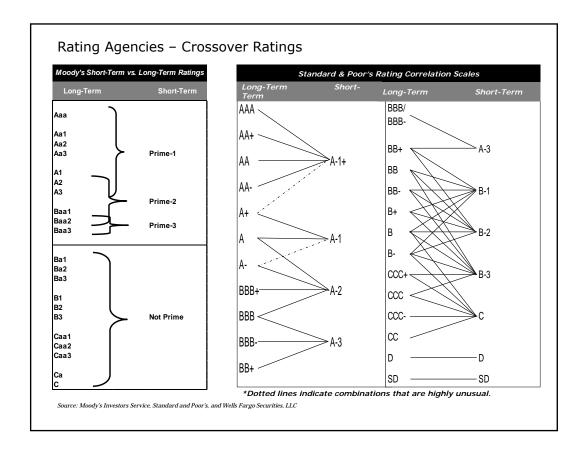
SHORT-TERM

- Prime-1 Issuers (or supporting institutions) rated Prime-1 have a superior ability for repay short-term debt obligations.
- Prime-2 Issuers (or supporting institutions) rated Prime-2 have a strong ability to repay short-term debt obligations.
- Prime-3 Issuers (or supporting institutions) rated Prime-3 have an acceptable ability to repay shortterm obligations.

Source: Moody's Investors Service, Standard and Poor's, and Wells Fargo Securities, LLC







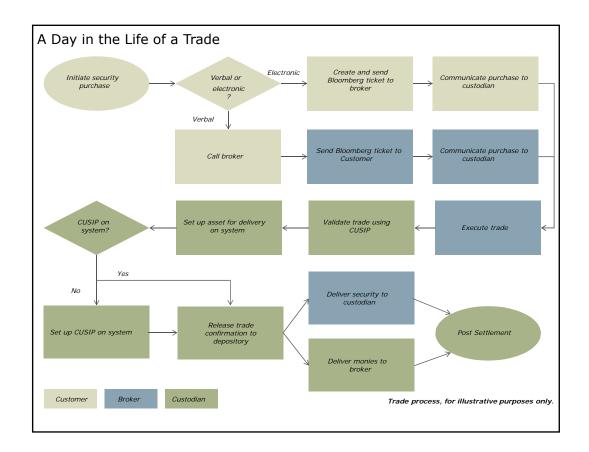
Dealing with Dealers

Dealing with Dealers

- You cannot talk to everyone...but you should talk to more than one
- Sales people are paid based on the amount of product they sell
- Developing trust with a sales person takes time, but having a good relationship with a few brokers is very important
- Each dealer may have access to different products that another dealer may not
- Dealers provide you with liquidity when you need it, they are more willing to provide it to those with whom they have a strong business relationship







Tracking and Benchmarking	

Portfolio Tracking

- Benchmarks are fine but should not dictate investment decisions in corporate portfolios. Why?
 - Cash flow management is the primary purpose of the corporate or public entity portfolio, not beating the benchmark
- Periodic portfolio reporting is important (monthly/quarterly)
 - Ask your dealers if they provide this
 - Accounting
 - Weighted average credit rating
 - Credit deterioration trends
 - Portfolio scenario analysis
 - Liquidity needs: are maturities/coupons still in line with my cash flow needs?
 - Swapportunities?





Lessons from the Recession

- Liquidity is there...until it isn't
 - Always understand your source of repayment and how it could go away
- Beware Geeks bearing models Warren Buffett
 - Highly structured or engineered products are generally less liquid
- Flight-to-Quality market movements are often fast and violent
- Diversification of the portfolio is as important as credit quality
 - A-2/P-2 Commercial paper suffered fewer losses than A-1/P-1 CP
- Don't be a follower
 - Just because someone else is buying it does not mean you should buy it...
 - ...but don't close yourself to new ideas, always look to educate yourself on new products





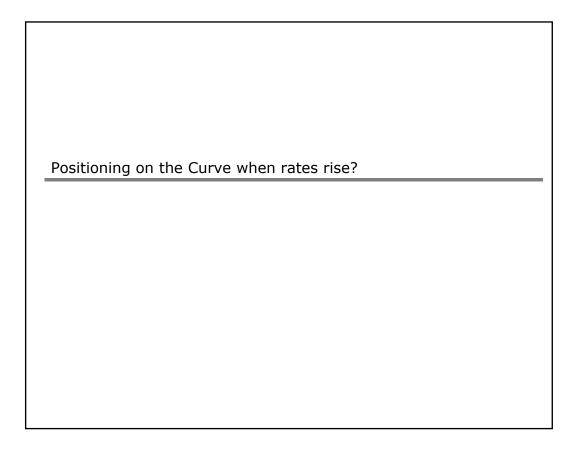
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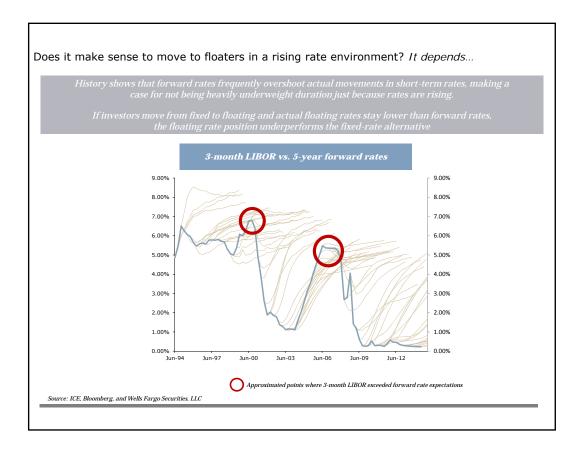
Benchmarks should be used to dictate investment decisions in public portfolios.

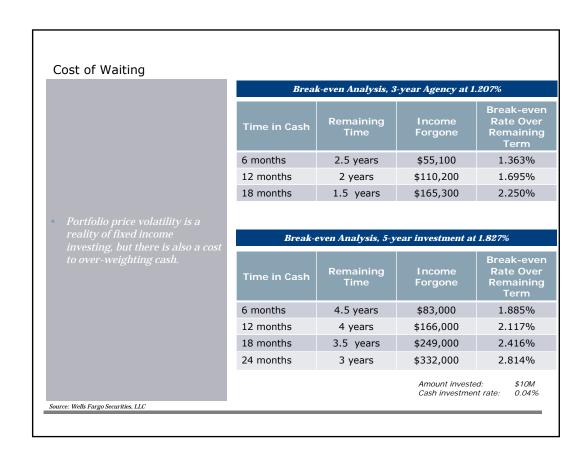
- A. True
- B. False

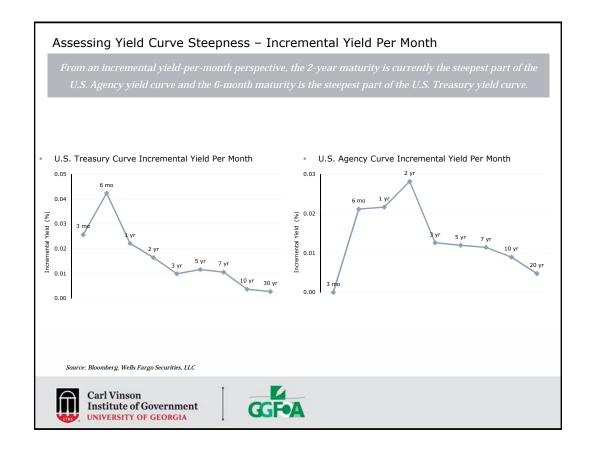


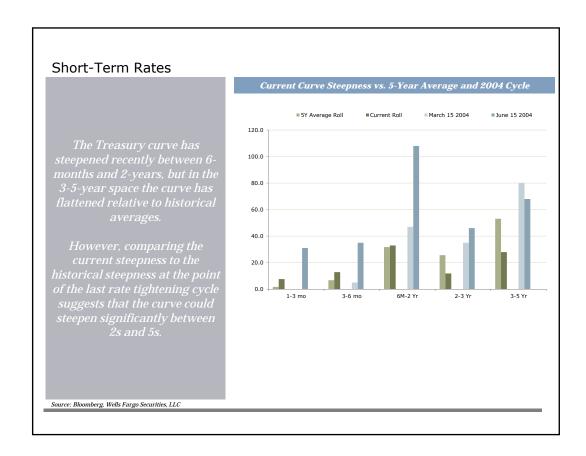












Take Away

- The money market investment universe we are accustomed to is changing. Do not be afraid of the changes, but educate yourself to be able to maximize your opportunities.
- Money market fund reform is accelerating the time frame for challenges and opportunities over the next two years.
- Do not be overwhelmed by the available alternatives. Take steps into new product categories one step at a time, and limit the scope of your investment choices to your available resources.





Questions







- Daily Short Stuff <u>garret.sloan@wellsfargo.com</u>, <u>vanessa.hubbard@wellsfargo.com</u>
- Instruments of the Money Markets:
 http://www.richmondfed.org/publications/research/special_reports/instruments_of_the_money_market/
- Stigum's Money Market 4th Edition. Marcia Stigum and Anthony Crescenzi
- The Politics of Public Entity Investing. Ben Finkelstein
- Cash Management: Products and Strategies. Edited by Frank Fabozzi
- Investing Public Funds 2nd Edition. Girard Miller, Corrine Larson, Paul Zorn.
- The Financial Times
- The Wall Street Journal





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