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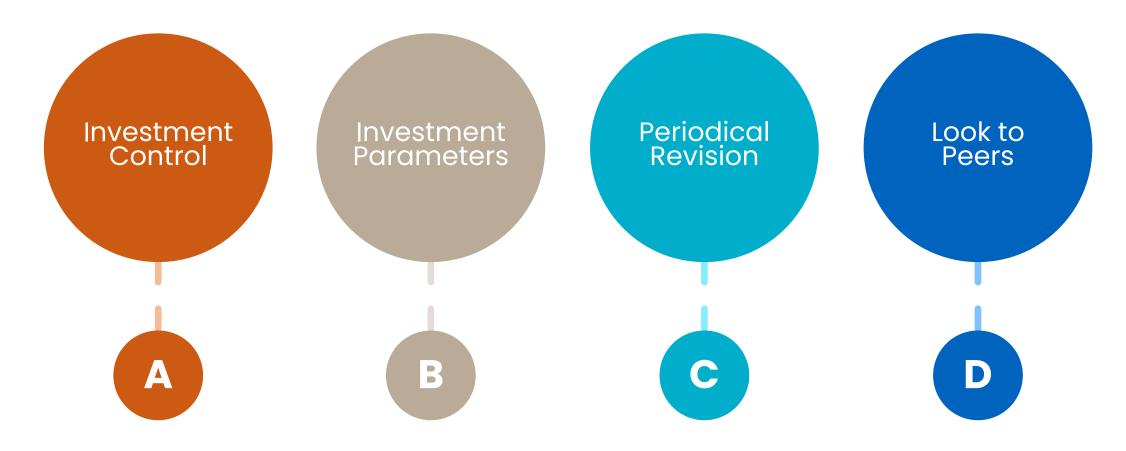
### TODAY'S AGENDA

**Investment Policies** 2. **Investment Types** 3. **Investment Risks** 4. **Managing Risks 5**. **Questions** 



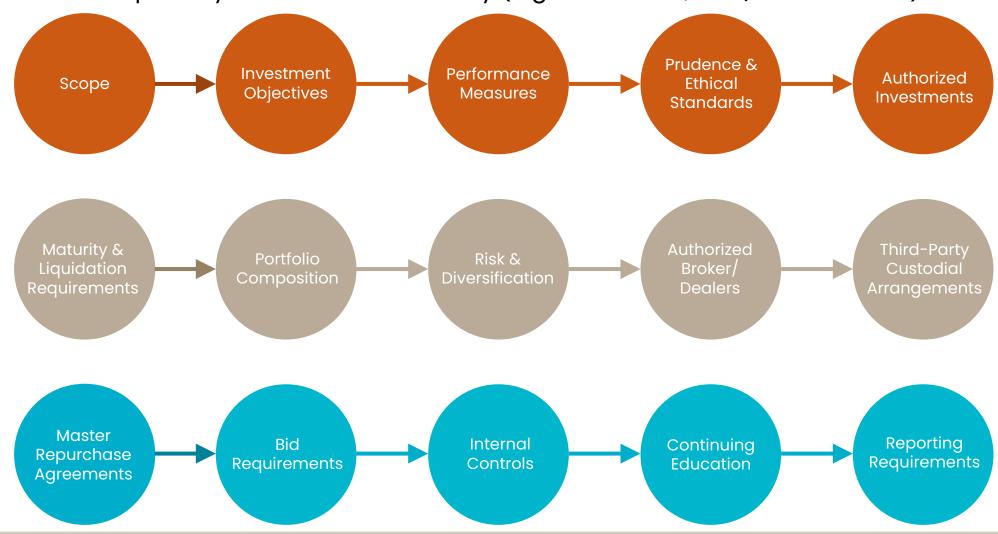


#### Florida Statutes 218.415





# Written investment policies must address the following 15 points adopted by the Government Body (e.g. Ordinance, and/or Resolution)









#### **Performance Measurement**









#### **Portfolio Returns**



What are we actually earning if all income is reinvested at and compounded over time at the same rate?

Risk-Adjusted Return

Are we being compensated fairly for the risk we're taking?

Total Return

What's our overall return when we factor in both income and price changes?



#### **Investment Returns**

Yield to Maturity (YTM)

If we hold this bond to maturity, collecting every interest payment and the principal, what's the total return we can expect?

Option-Adjusted Yield (OAY)

How does optionality affect our yield? The option-adjusted yield accounts for the likelihood that the bond might be called early.

Yield to Call (YTC)

What's our return if the bond is called at the first possible date?



#### **Prudent Person Standard**

Investments should be made with judgement 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 from the investment.









#### **Typical Investments Used by Local Governments**

Cash and Cash Equivalents

2. Local Government Surplus Funds Trust Fund
(Florida PRIME)

3. United States Government Securities

Federal Instrumentalities
(United States Government Sponsored Enterprises)

Interest Bearing Deposits

(Time Deposits, CDs, or Savings Accounts)

State and/or Local Government Taxable and/or Tax-Exempt Debt

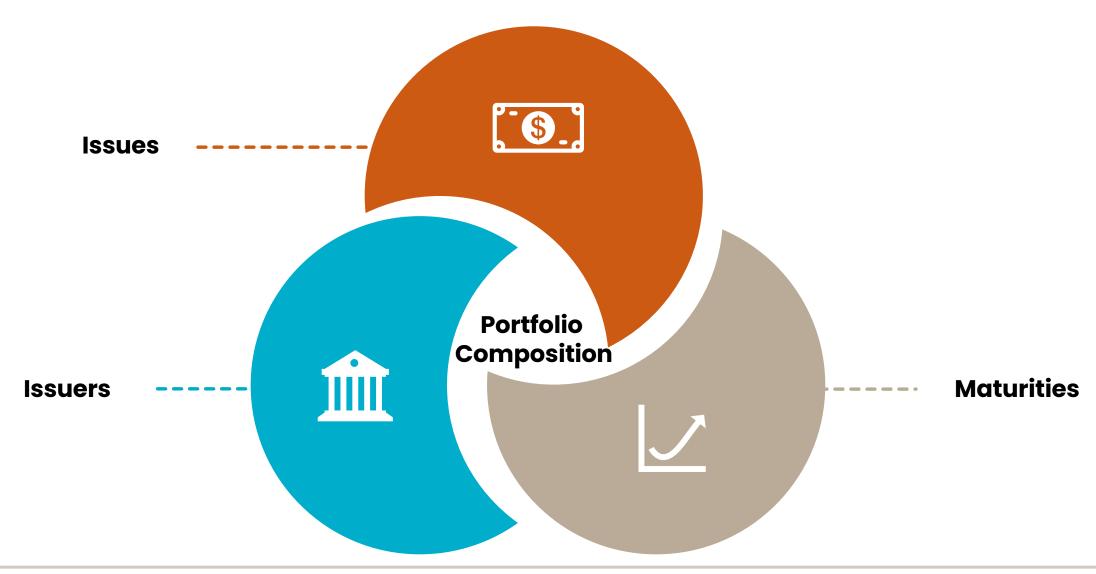
7. Registered Investment
Companies
(Money Market Mutual Funds – AAAm)

8. Intergovernmental Investment Pools

**9** Commercial Paper

**10.** Corporate Bonds







| Authorized Investment - Sector Type   | Minimum<br>Rating<br>Requirement | Maturity Limits | Maximum<br>Allocation | Individual<br>Issuer Limit |
|---|----------------------------------|-----------------|-----------------------|----------------------------|
| Cash and Cash<br>Equivalents  | N/A                              | N/A             | 100%                  | N/A                        |
| Local Government<br>Surplus Funds Trust<br>Fund (Florida PRIME)   | AAAm                             | N/A             | 25%                   | N/A                        |
| United States<br>Government Securities  | N/A                              | 5 years         | 100%                  | N/A                        |
| Federal Instrumentalities (United States Government Sponsored Enterprises)                                      | N/A                              | 5 years         | 50%                   | 30%                        |
| Interest Bearing Time Deposit, Certificates of Deposit or Savings Accounts - Qualified Public Depositories Only | N/A                              | 1 year          | 10%                   | 10%                        |
| State and /or Local<br>Government Taxable<br>and/or Tax-Exempt<br>Debt  | Aa3 and AA-                      | 5 years         | 25%                   | 5%                         |
| Registered Investment<br>Companies (Money<br>Market Mutual Funds)   | AAAm                             | N/A             | 50%                   | 10%                        |
| Intergovernmental Investment Pools  | AAAm                             | N/A             | 100%                  | N/A                        |



#### **Risk and Diversification**



Investments held should be diversified to the extent practicable to control the risk of loss resulting from overconcentration of assets





Risk & Diversification ensures your portfolio composition structure actually results in a well-balanced, resilient portfolio



Ongoing review and adjustment - for example: A particular corporate issuer gets downgraded to the lowest allowable credit rating under policy



Risk & Diversification asks: Even though we are still in compliance, should we proactively reduce exposure to this issuer before further deterioration?



#### **Authorized Investment Institutions and Dealers**

Recommended Minimum Qualifications:

- (a) Designated as a "primary dealer" by the Federal Reserve Bank of New York;
- (b) Qualified as a regional dealer under Securities and Exchange Commission Rule 15C3-1 (uniform net capital rule);
- (c) Capital of no less than \$10,000,000;
- (d) Registered as a dealer under the Securities Exchange Act of 1934;
- (e) Member of the Financial Industry Regulatory Authority, Inc. (FINRA);
- (f) Registered to sell securities in Florida;
- (g) Engaged in the business of effecting transactions in U.S. government and agency obligations for at least five (5) consecutive years; and
- (h) In good standing with FINRA and the Securities and Exchange Commission.



#### **Custodial Agreements**

- Lay out appropriate arrangements for the holding of assets
- No withdrawal of securities, except by an authorized staff member of the unit of local government
  - "Delivery vs. Payment"



#### Master Repurchase Agreement

- IPS shall require all approved institutions and dealers transacting repurchase agreements to execute and perform as stated in the Master Repurchase Agreement
  - Consistent legal and operational standards



#### **Competitive Bidding**

Best Practice – Obtain 3 Quotes and Hold in Confidence

#### **Acceptable Providers:**

- ✓ Bloomberg Information Systems
- ✓ Wall Street Journal or a comparable nationally recognized financial publication providing daily market pricing
  - ✓ Daily market pricing provided by the entity's custodian or their correspondent institutions



#### **Internal Controls**

#### Designed to prevent loss

The internal controls shall be reviewed by independent auditors as part of any financial audit periodically required of the entity. The written internal controls should address, at a minimum, (a) transfers of all funds, (b) recordkeeping, (c) custodial safekeeping, (d) delegation of authority and supervisory control of employee actions, (e) written confirmation of telephone transactions, (f) repurchase agreements, (g) separation of transaction authority from accounting and recordkeeping, (h) wire transfer agreements, (i) banking service contracts, (j) collateral/depository agreements and (k) "delivery-vs-payment" procedures.



#### **CONTINUING EDUCATION**

 8 hours in continuing education related to investment practices and products



#### **REPORTING**

- Annual or more frequent report of investment activities
- Breakdown of the portfolio including:
  - Security details
  - Book value
  - Market value
  - Income earned
  - Total return



#### No Written Policy:



FL Prime or any intergovernmental pool



SEC registered MMFs - highest credit quality rating



CDs or Savings Accounts in QPDs

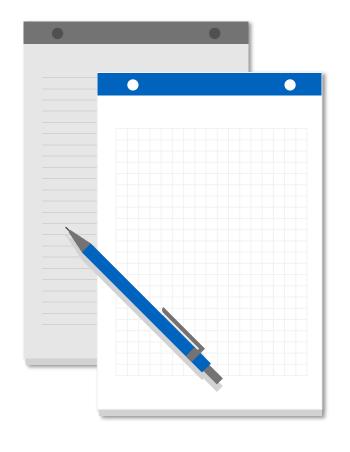


Direct Obligations of the U.S. Treasury

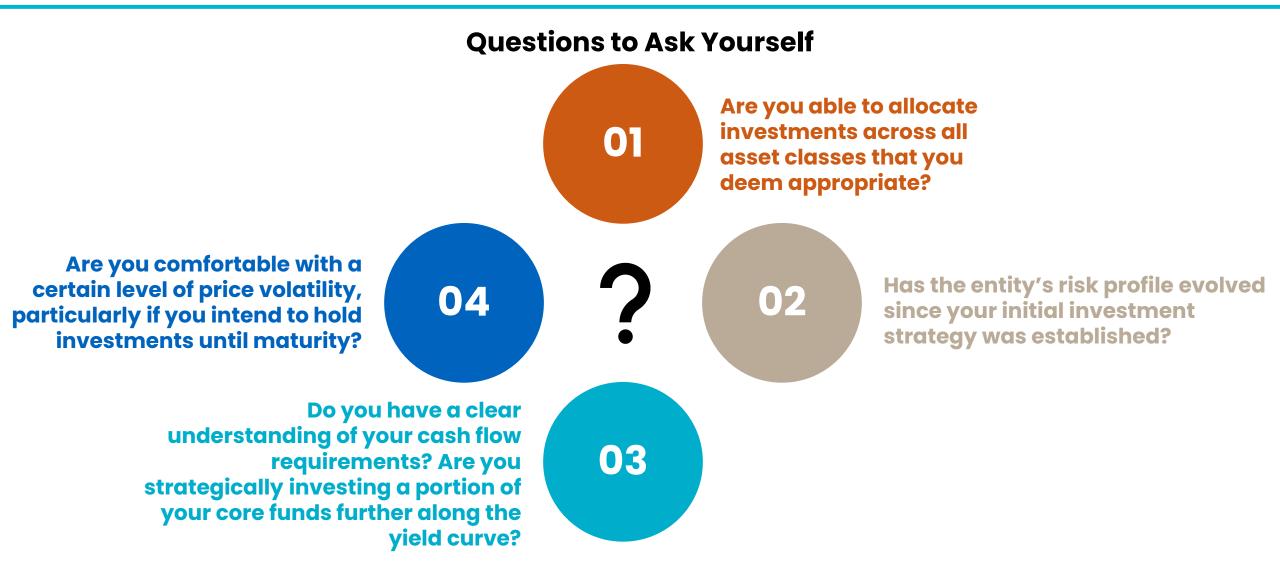
#### With a Written Policy:



The statute allows considerable flexibility











#### **Demand Deposit Accounts**

Transactional
Checking
Accounts

Payroll, A/P

#### Earnings Credit Rate

- Rates applied to non-interestbearing balances to offset service charges
- Used to calculate compensating balance
- Typically settles monthly

Savings/Money Market Accounts

Compounding, frequency varies



#### Time Deposits or Certificates of Deposit

- Must be placed with Qualified Public Depositories (F.S. Chapter 280)
- Fixed Term Investment with specified maturity date
- Penalties for early withdrawal
- Negotiable certificates of deposit are prohibited under Chapter 280



#### **U.S. Treasury Securities**

#### Treasury Bills

- Issued by U.S. Treasury
- Maturities of 1 year of less
- Discount of face value

#### Government Notes

- Maturities of 2 to 10 years
- Purchase at par, premium, or discount
- Interest (coupons) paid semiannually

#### Government Bonds

- Maturities of 10 to 30 years
- Purchase at par, premium, or discount
- Interest (coupons) paid semi-annually



#### Government-Sponsored Enterprises (GSEs)

- Financing entities that support lending to sectors of the economy
  - Housing
  - Agriculture
  - Home finance
- Unsecured debt obligations
  - Implied guarantee of U.S. Government
- Generally higher interest rates compared to Treasuries

Federal National
Mortgage
Association
(Fannie Mae)

Federal Home Loan
Mortgage
Corporation
(Freddie Mac)

Federal Home Loan
Bank
(FHLB)

Federal Farm Credit System (FFC)



#### Local Government Investment Pools (LGIPs)

- Pooling resources to potentially achieve higher rates of return
- Various styles
  - Prime
  - Government
- Own shares of beneficial interest in the pool/fund
- Not a bank deposit; not FDIC insured



### Local Government Investment Pools (LGIPs)

#### Stable NAV

- Maintain \$1 in/\$1 out
- Highest S&P rating is "AAAm"
- Short-term
- WAM to Reset < 60 days

#### Variable NAV

- Fluctuating NAV
- Add Interest Rate Risk/Duration
- Designed to outperform over time
- Highest S&P rating is "AAAf/S1"
- Intermediate
- WAM for bond fund > 90 days



### SEC Registered Money Market Funds (2A-7s)

- Various styles
  - Prime
  - Government
  - Muni
- Market rate
- Safety-focused
- Easy to use
- Not a bank deposit; not FDIC insured



#### **Municipal Securities**

- Obligation of a state, county, city, village, school district, or other special purpose district
- General obligation
  - Backed by the full faith & credit of the issuing entity and its taxing power
- Revenue
  - Financed by a specific revenue source (i.e. tolls on a highway)



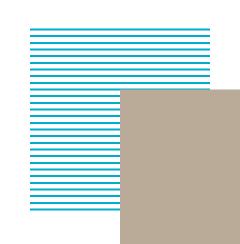


#### **Commercial Paper**

- Short-term unsecured promissory note
- Default risk present
- Industrial and financial firms are issuers
- Typically a higher return, with slightly higher risk

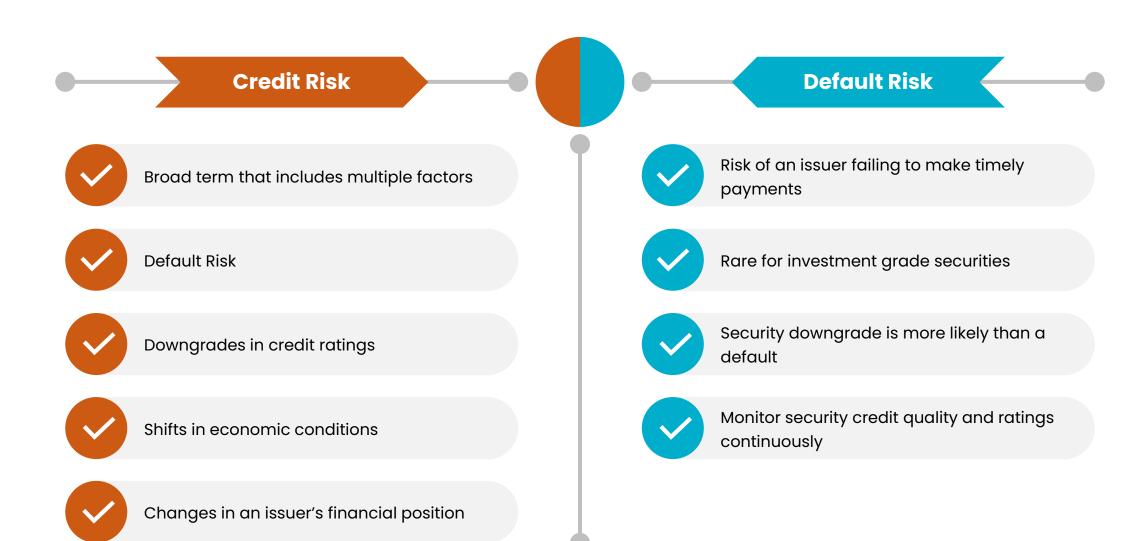
#### Corporate Bonds/Notes

- Similar to CP, but with maturities > 1 year
- Higher returns compared to government securities
- Generally higher credit risk
- Greatly varied risk and return

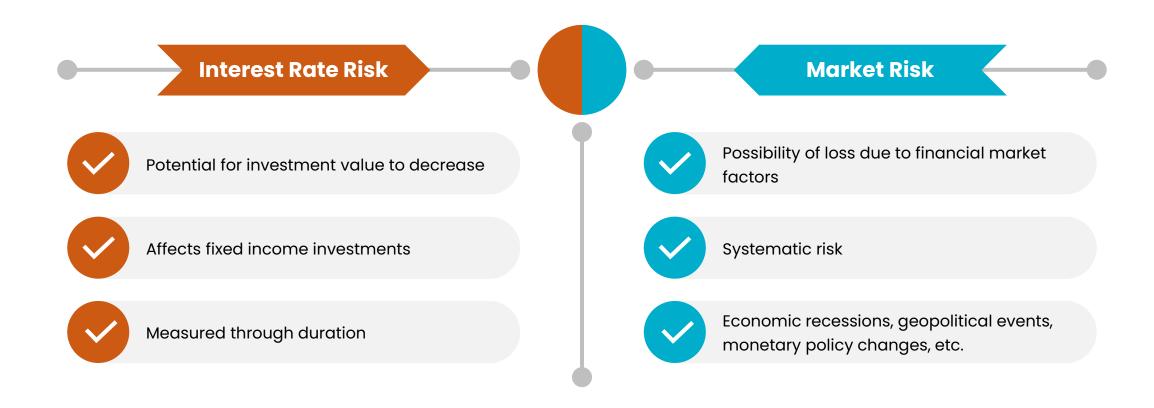




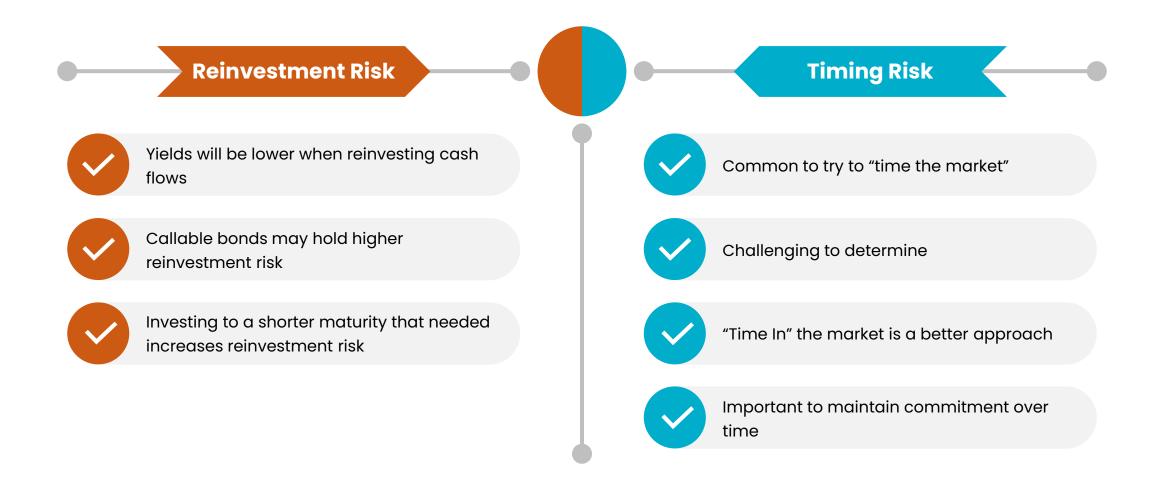




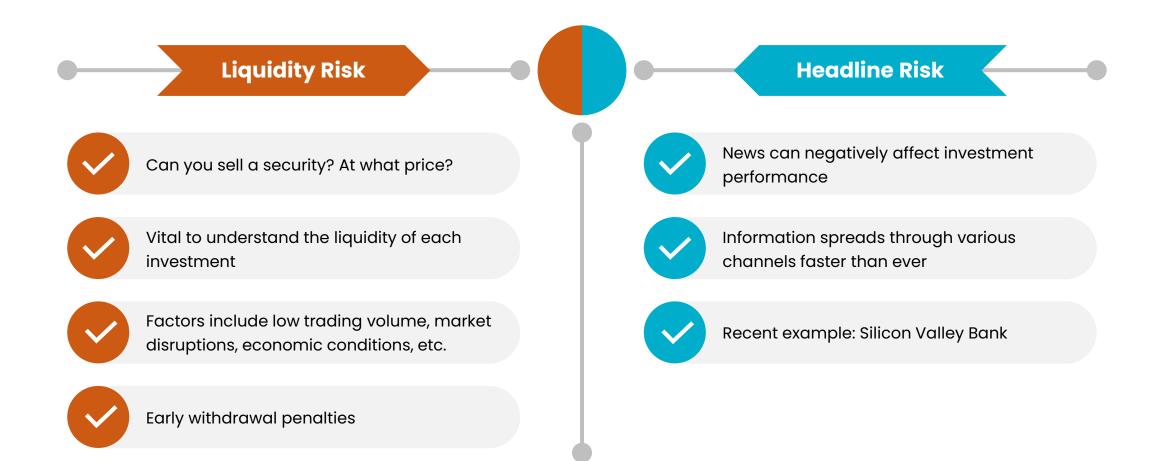














#### **Managing Investment Risks**

- Effective Investment Planning is the best way to manage risks
- Match assets and liabilities
- 3 Diversify
- Limit investments to types you thoroughly understand
- Don't try to time the market
- Monitor credit ratings and/or utilize a Registered Investment Advisor





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