## **TEXAS MUNICIPAL LEAGUE PUBLIC FUNDS INVESTMENT ACT WORKSHOP**

## **Understanding Economic Indicators December 4, 2025**

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## Public Funds Investment Act 3??



**Training** include education must in investment controls, security risks, strategy risks, diversification risks, market investment portfolio, and compliance with the "Act".

Market and economic risks are the focus of this presentation.



# MAKING ECONOMICS EASY TO UNDERSTAND

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- Economics is the study of supply and demand
- Inflation vs. deflation is dependent on supply and demand

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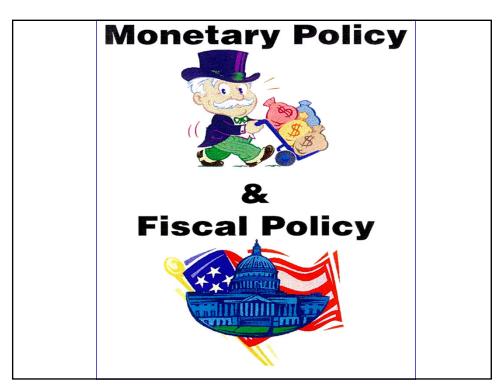
## **KEY QUESTIONS**

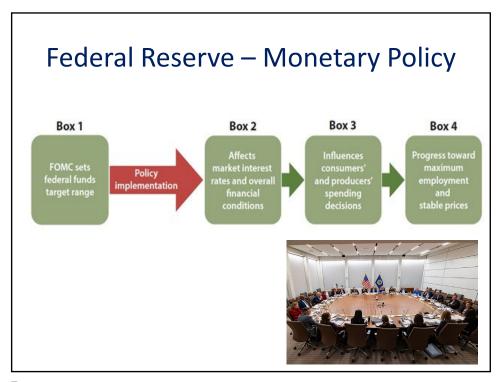
- What investment returns can municipalities expect to earn?
- Will interest rates rise or fall?
- What is the outlook for inflation?
- What is the state of the economy?

## **Demand and Supply**

- If demand exceeds supply, prices will rise, and inflation is a risk.
- If supply ( or capacity to provide supply) exceeds demand, prices will fall, and deflation is a risk.
- COVID-19. What happens when both supply and demand crash due to a world-wide pandemic?

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# MONETARY POLICY ECONOMIC EXPANSION Fed Lowers Interest Rates Cost of Borrowing Money Fall Demand/Buying Increases Companies Increase Production & Employment Prices for Goods Rise Inflation Premium Rises Interest Rates Rise Bond Prices Fall

### **MONETARY POLICY**

#### **ECONOMIC CONTRACTION**

Fed Raises Interest Rates

**Cost of Borrowing Money Rise** 

**Demand/Buying Decreases** 

**Companies Reduce Production & Employment** 

**Prices for Goods Fall** 

**Inflation Premium Falls** 

**Interest Rates Fall** 

**Bond Prices Rise** 

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# FISCAL POLICY

**ECONOMIC EXPANSION** 

**Government Lowers Taxes** 

**Increase Disposable Income** 

**Demand for Goods Rise** 

**Companies Increase Production** 

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**Prices Rise** 

**Inflation Premium Rises** 

**Interest Rates Rise** 

**Bond Prices Fall** 

#### **TECH BUBBLE**

(1999 - 2000)



- Tech Bubble
  - Internet
  - Y2K

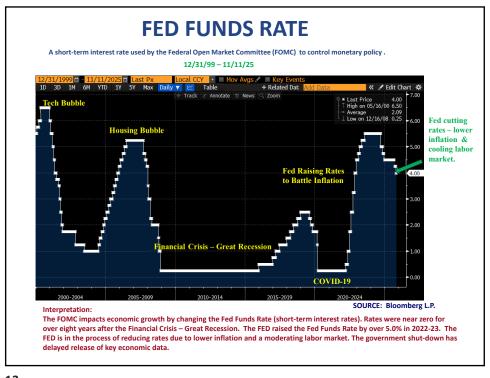


- Over investment in the late Nineties
- Beginning in 2000, low demand and over capacity
- No pricing power and deflation

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#### **HOW TO ADDRESS OVER CAPACITY?**

- Higher demand to support the supply
  - Monetary Policy
  - Fiscal Policy
  - A Need for Goods/Services Artificial Intelligence?
- Less capacity
  - Layoffs, plant closures, bankruptcies
  - Could lead to a downward economic spiral



#### **HOUSING BUBBLE**

(2000 - 2005)

- Fed Lowers Interest Rates
  - To increase housing demand
  - To battle overcapacity
- Demand for housing soars
- Economic activity increases
- Loan demand rises and quality of mortgages fall





#### **CREDIT CRISIS**

(2008)



- Banks lose money on mortgages
  - Lehman, Bear Stearns go down
  - American International Group (AIG) lost \$99.2 billion in 2008. The Federal Reserve stepped in with a \$85 billion loan.
  - Government takes over Fannie & Freddie
- The world financial system cracks
- Worst recession since the Great Depression
- Government bails out banks, industries

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#### **GREAT RECESSION**

- Housing goes into depression
  - Oversupply of homes, foreclosures
  - Home prices fall, many below mortgage level
- Unemployment soars, millions lose jobs
- More Government intervention
- Housing and employment remain weak today

#### **COVID-19 Pandemic**



- Created a new chapter in the economic books.
  - World-wide demand and supply crash for most goods and services.
- The world has changed.
- Massive economic imbalances.
- Inflation is rising due to supply disruptions.

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#### **Russian Invasion of Ukraine**



- The last thing the world economy needed after the imbalances created by the COVID-19 pandemic.
- The war and Russian sanctions are adding to inflationary pressures.
- Huge uncertainty and very risky.
- What is the end game?

#### **KEY ECONOMIC ISSUES**

- Prior to the pandemic, there were deflationary pressures. Supply exceeded demand in many areas.
- What happens to the Demand-Supply relationship after the pandemic (short-term and long-term)?
- What are the consequences of the Fed monetary policy?
- What are the inflation expectations (supply chain constraints)?
- Is globalization a thing of the past?
- What's going to happen in Ukraine and Israel?
- What is the state of US-China relations?

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# GLOBAL MONETARY STIMULUS HAD CREATED OVERCAPACITY AND EXTENDED ASSET PRICES!

- Overcapacity leads to deflation (or low inflation), low interest rates and low investment income.
- Excess supply (capacity) leads to slower economic growth.
- Extended asset valuations (including stocks) is a risk.

#### **LOW INTEREST RATES**

- High demand for safe investments means higher bond prices, lower interest rates
  - Slow economic growth
  - Volatile stock market
  - Geopolitical Risks
- Low inflation, even risk of deflation?
- Accommodative Monetary Policy
- Globalization (World demand for U. S. Treasuries)
- Low global interest rates

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# LONGER-TERM INTEREST RATES – KEY ECONOMIC INDICATOR

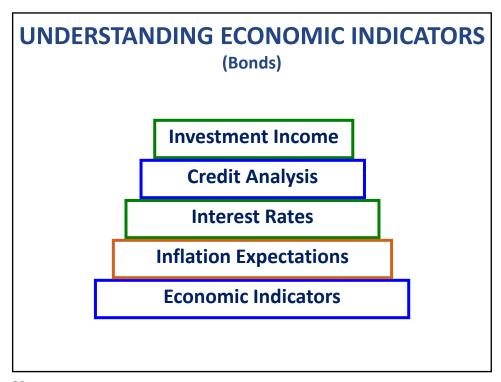
THREE COMPONENTS OF LONG-TERM INTEREST RATES

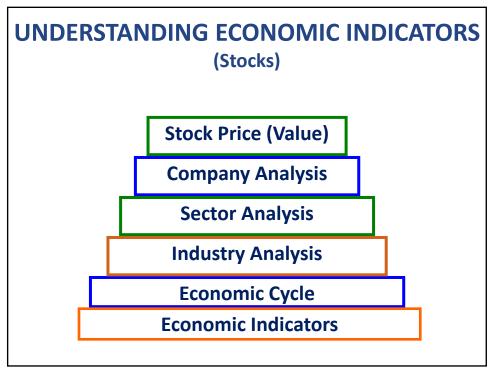
**Inflation Expectations** 

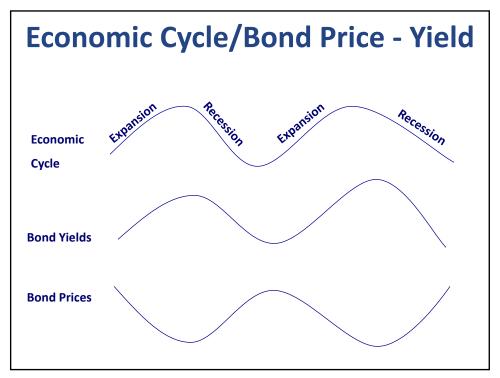
**Risk Premium** 

**Fed Funds Rate** 

**Economic Indicators help assess Inflation Expectations.** 







#### THE FINANCIAL GAZETTE

VOL. 1

#### Bond Prices Fall As CPI Ignites Inflation Fears

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#### Sale Off in the Bond Market as the Fed Raises Rates for a Seventh Time

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#### Bond Prices Plummet as Housing Starts Soaring to Record Heights

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Texas Municipal League

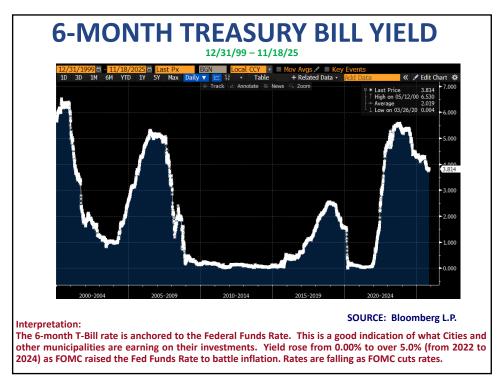
Public Funds Investments

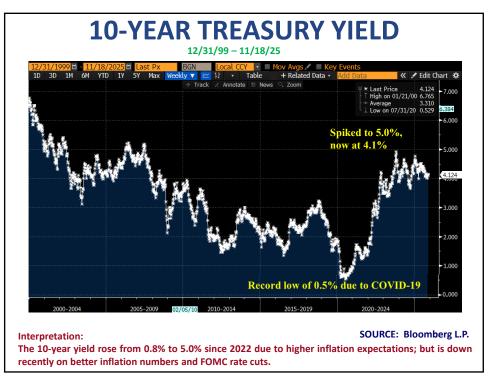
**Special Edition** 

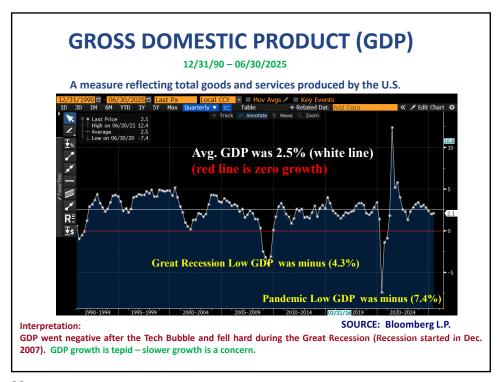
#### Bond Prices Rise as Manufacturing Cools

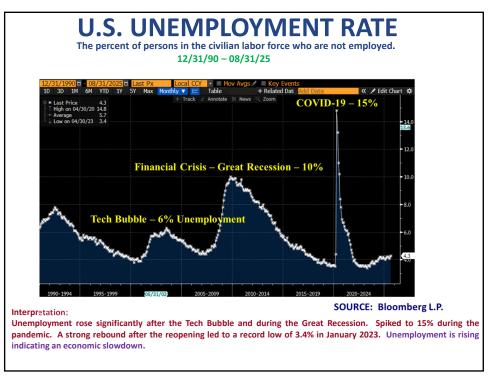
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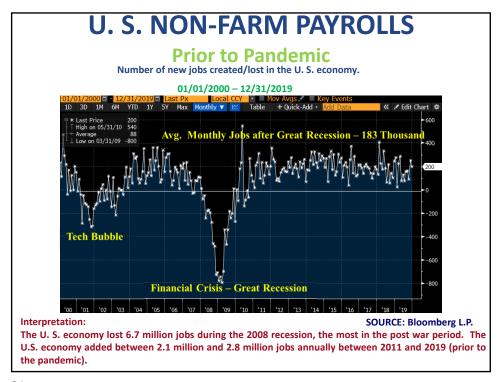
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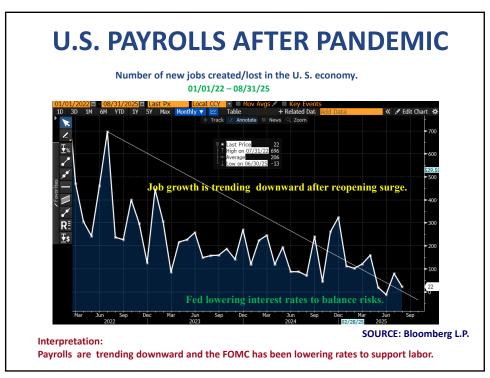


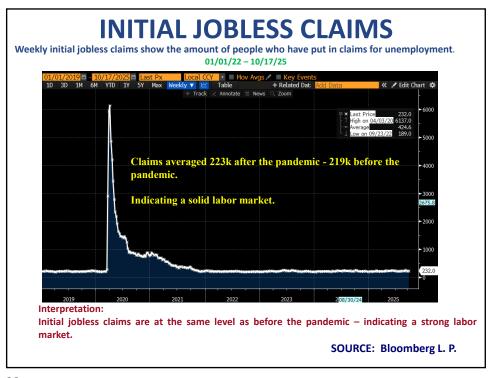




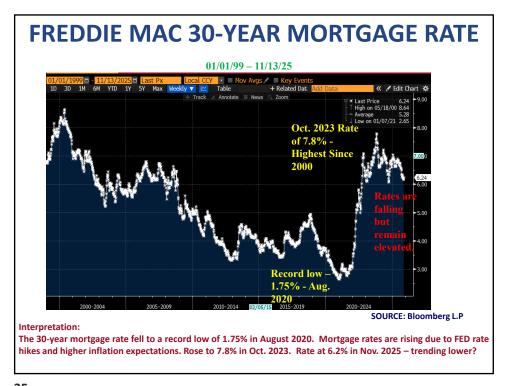








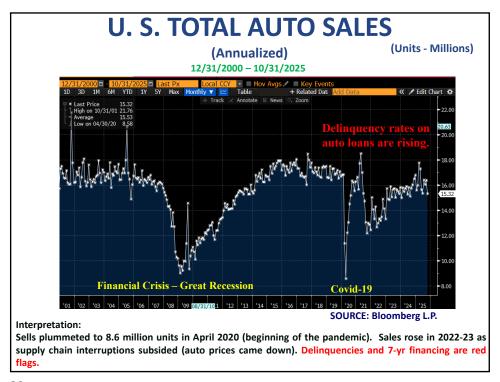


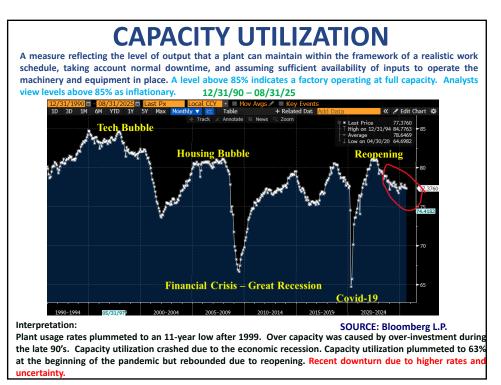










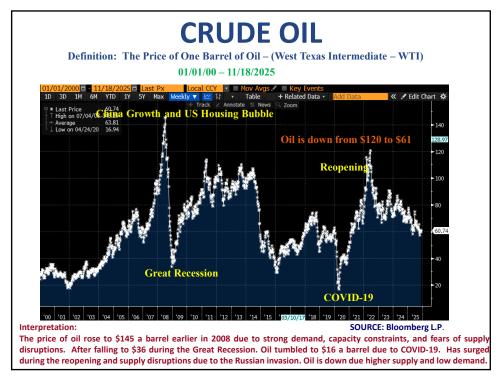




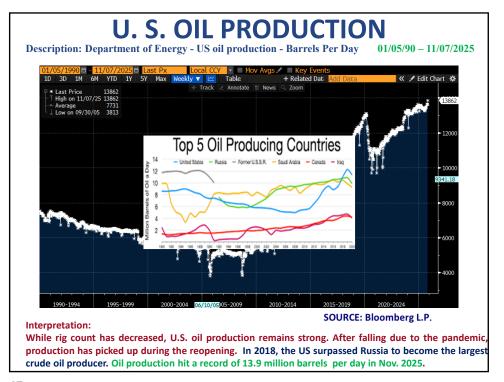


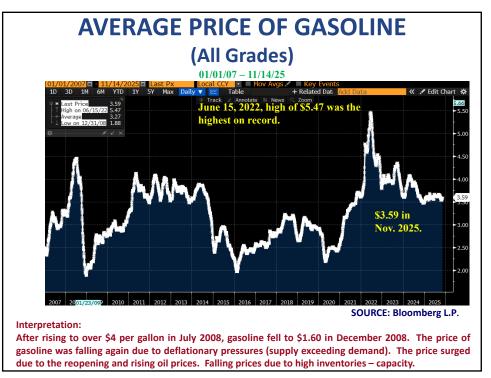


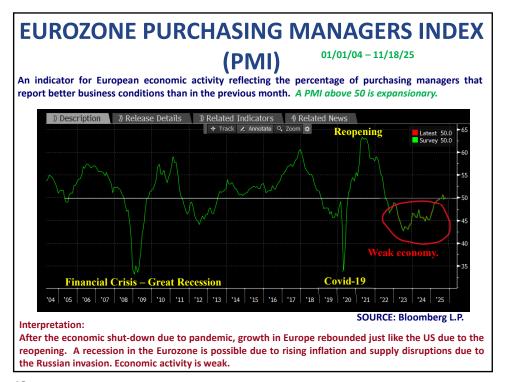


















#### FEDERAL RESERVE press release



**Release Date:** Oct. 29, 2025

(Excerpts from Full Release)

Available indicators suggest that economic activity has been expanding at a moderate pace. Job gains have slowed this year, and the unemployment rate has edged up but remained low through August; more recent indicators are consistent with these developments. Inflation has moved up since earlier in the year and remains somewhat elevated.

The Committee seeks to achieve maximum employment and inflation at the rate of 2 percent over the longer run. Uncertainty about the economic outlook remains elevated. The Committee is attentive to the risks to both sides of its dual mandate and judges that downside risks to employment rose in recent months.

In support of its goals and in light of the shift in the balance of risks, the Committee decided to lower the target range for the federal funds rate by 1/4 percentage point to 3-3/4 to 4 percent. In considering additional adjustments to the target range for the federal funds rate, the Committee will carefully assess incoming data, the evolving outlook, and the balance of risks. The Committee decided to conclude the reduction of its aggregate securities holdings on December 1. The Committee is strongly committed to supporting maximum employment and returning inflation to its 2 percent objective.

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#### **Conclusions**



- Demand is easing due to higher interest rates and tighter credit conditions.
- Supply disruptions are easing leading to lower inflation.
- Interest rates are falling due to lower inflation.
- The Fed is lowering rates after an aggressive rate hike campaign.
- Asset bubbles (extended valuations).
- Globalization is not dead.
- Deflation will be back.

