

# *Osher Lifelong Learning Institute, Winter 2023*

## Contemporary Economic Policy

University of Rhode Island  
January-February, 2023

Host: Jon Haveman, Ph.D.  
National Economic Education Delegation



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## National Economic Education Delegation

- **Vision**

- One day, the public discussion of policy issues will be grounded in an accurate perception of the underlying economic principles and data.

- **Mission**

- NEED unites the skills and knowledge of a vast network of professional economists to promote understanding of the economics of policy issues in the United States.

- **NEED Presentations**

- Are nonpartisan and intended to reflect the consensus of the economics profession.



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# Who Are We?

## • Honorary Board: 54 members

- 2 Fed Chairs: Janet Yellen, Ben Bernanke
- 6 Chairs Council of Economic Advisers
  - o Furman (D), Rosen (R), Bernanke (R), Yellen (D), Tyson (D), Goolsbee (D)
- 3 Nobel Prize Winners
  - o Akerlof, Smith, Maskin

## • Delegates: 652+ members

- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
- Give presentations

## • Global Partners: 49 Ph.D. Economists

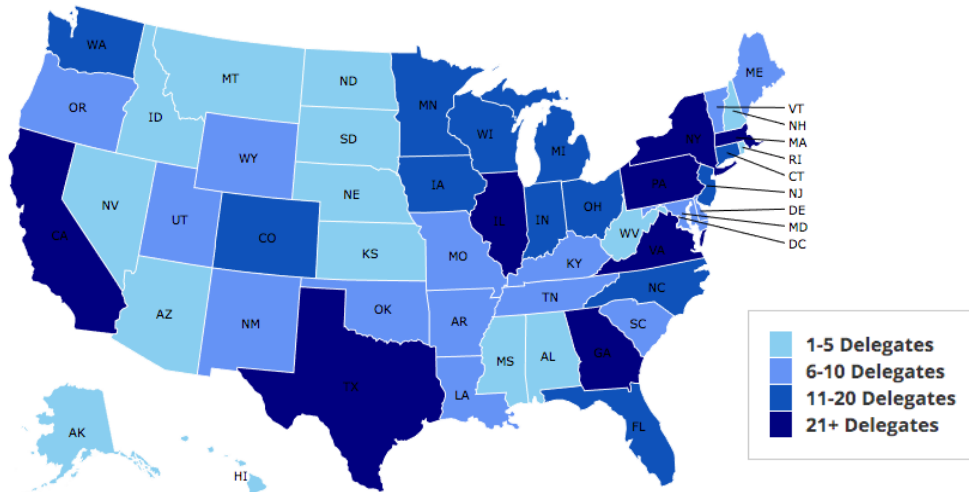
- Aid in slide deck development



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# Where Are We?



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## Available NEED Topics Include:

- US Economy
- Healthcare Economics
- Climate Change
- Economic Inequality
- Economic Mobility
- Trade and Globalization
- Minimum Wages
- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- Healthcare Economics



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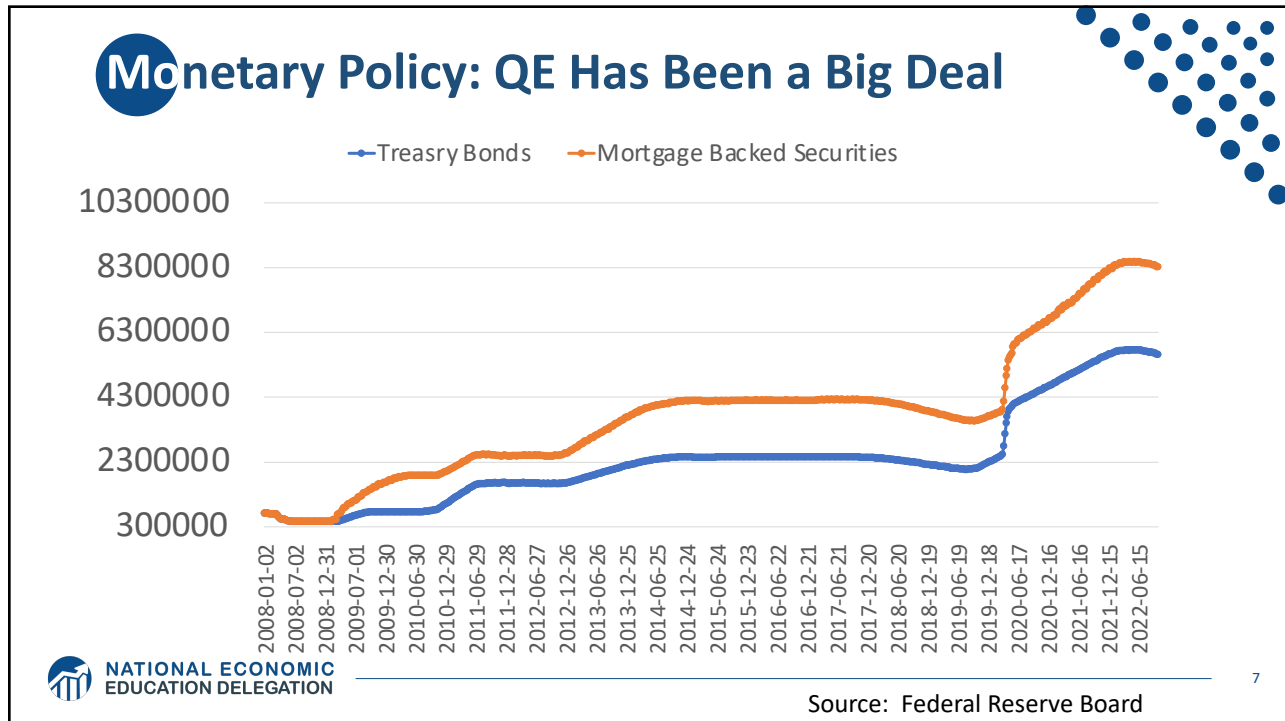
## Course Outline

### • Contemporary Economic Policy

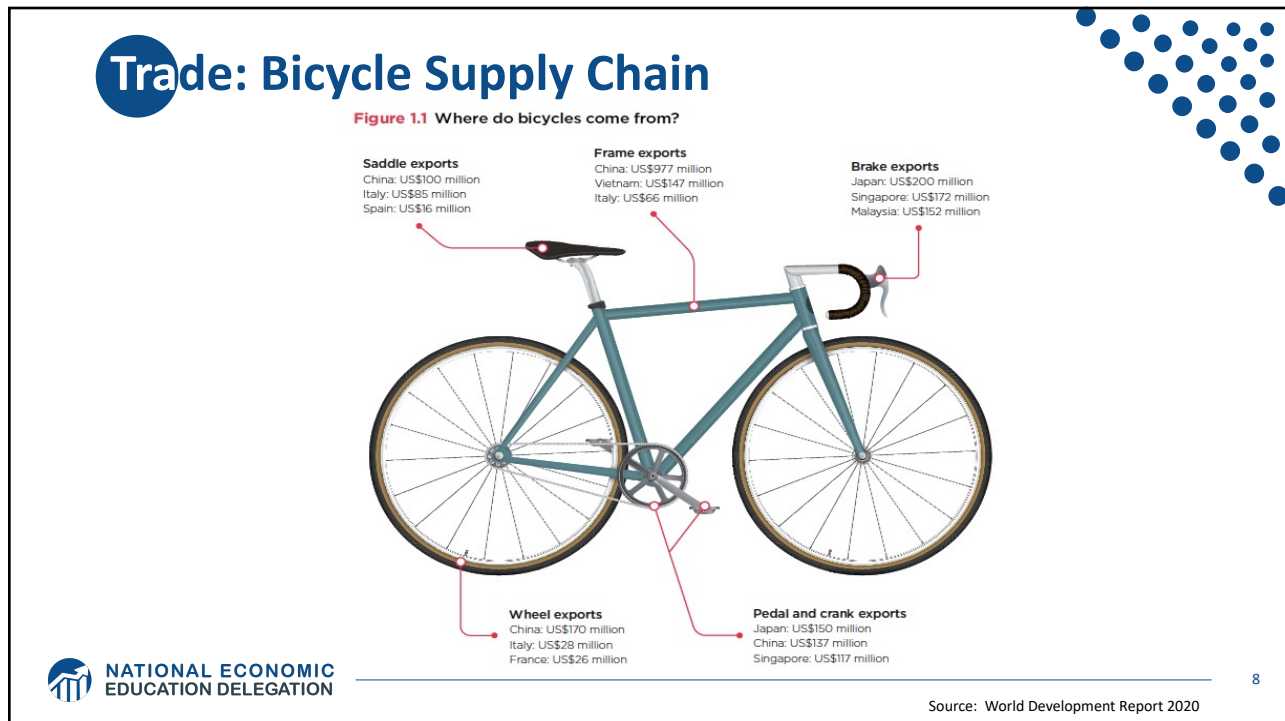
- Week 1 (1/10): Economic Update (Geoffrey Woglom, Amherst College)
- Week 2 (1/17): Monetary Economics (Geoffrey Woglom)
- Week 3 (1/24): Trade and Globalization (Alan Deardorff, Univ. of Michigan)
- Week 4 (1/31): Trade Deficits and Exchange Rates (Alan Deardorff)
- Week 5 (2/7): Autonomous Vehicles (Jon Haveman, NEED)



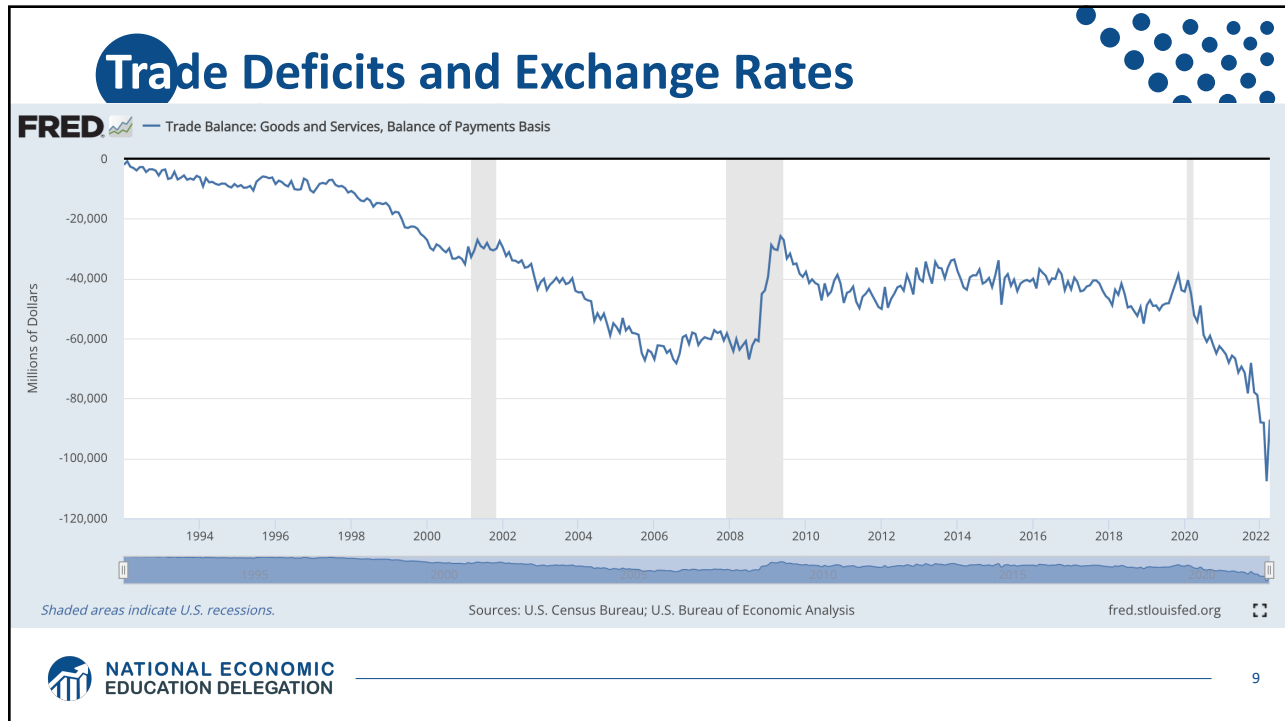
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# Submitting Questions

- **Please submit questions of clarification in the chat.**
  - I will try to handle them as they come up.
- **We will do a verbal Q&A once the material has been presented.**
- **OLLI allowing, we can stay beyond the end of class to have further discussion.**
- **Slides will be available from the NEED website tomorrow ([https://needelegation.org/delivered\\_presentations.php](https://needelegation.org/delivered_presentations.php))**

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# US Economic Update



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## Credits and Disclaimer

- **This slide deck was authored by:**

- Jon D. Haveman, NEED
- Scott Baier, Clemson University
- Geoffrey Woglom, Amherst College (Emeritus)
- Brian Dombeck, Lewis & Clark College
- Doris Geide-Stevenson, Weber State

- **Disclaimer**

- NEED presentations are designed to be nonpartisan.
- It is, however, inevitable that the presenter will be asked for and will provide their own views.
- Such views are those of the presenter and not necessarily those of the National Economic Education Delegation (NEED).

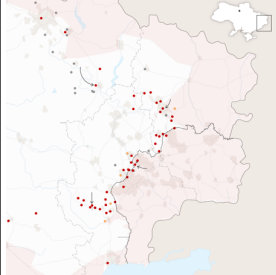


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## The U.S. Economy




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# US Economy: Update

**Geoffrey Woglom,**  
Professor of Economics  
Amherst College, emeritus  
September 20, 2022

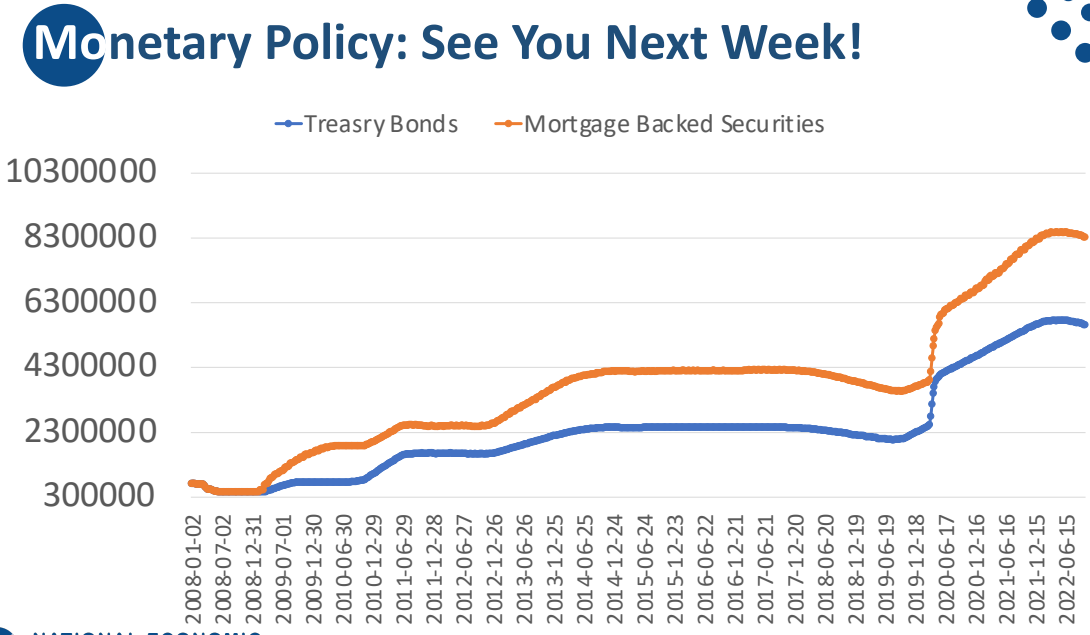


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## Monetary Policy: See You Next Week!



— Treasury Bonds — Mortgage Backed Securities

Date	Treasury Bonds	Mortgage Backed Securities
2008-01-02	300,000	300,000
2008-07-02	300,000	300,000
2008-12-31	300,000	300,000
2009-07-01	350,000	350,000
2009-12-30	350,000	350,000
2010-06-30	350,000	350,000
2010-12-29	350,000	350,000
2011-06-29	400,000	400,000
2011-12-28	400,000	400,000
2012-06-27	400,000	400,000
2012-12-26	400,000	400,000
2013-06-26	400,000	400,000
2013-12-25	400,000	400,000
2014-06-25	400,000	400,000
2014-12-24	400,000	400,000
2015-06-24	400,000	400,000
2015-12-23	400,000	400,000
2016-06-22	400,000	400,000
2016-12-21	400,000	400,000
2017-06-21	400,000	400,000
2017-12-20	400,000	400,000
2018-06-20	400,000	400,000
2018-12-19	400,000	400,000
2019-06-19	400,000	400,000
2019-12-18	400,000	400,000
2020-06-17	400,000	400,000
2020-12-16	400,000	400,000
2021-06-16	400,000	400,000
2021-12-15	400,000	400,000
2022-06-15	550,000	800,000

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Source: Federal Reserve Board

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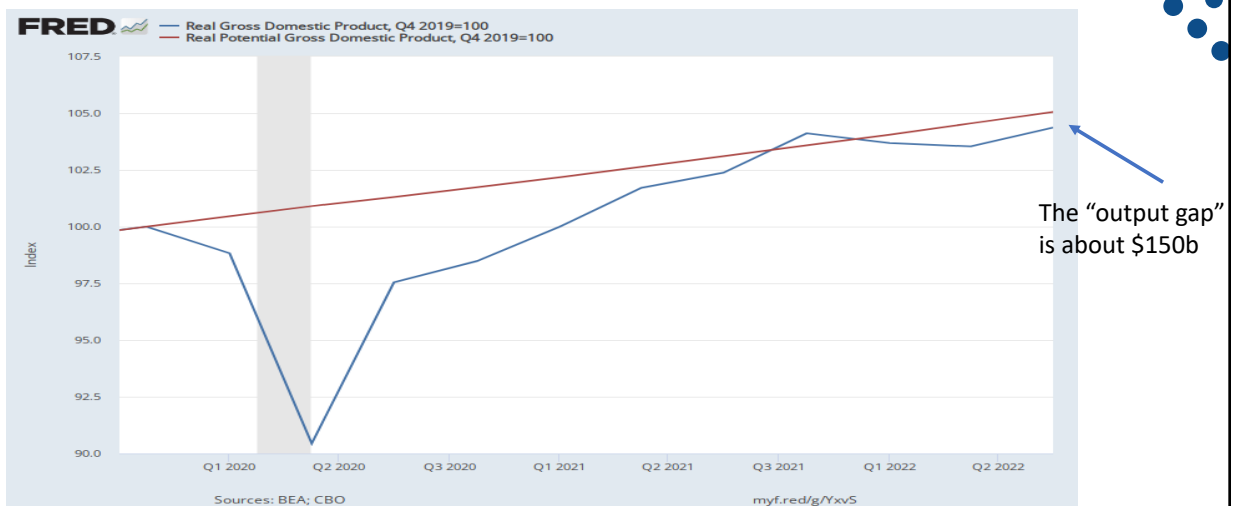
## Outline for the Talk

1. Quick summary of the state of the economy.
2. The Effect of M&F policies.
3. What's at stake in controlling inflation.
4. What lies ahead for the economy.

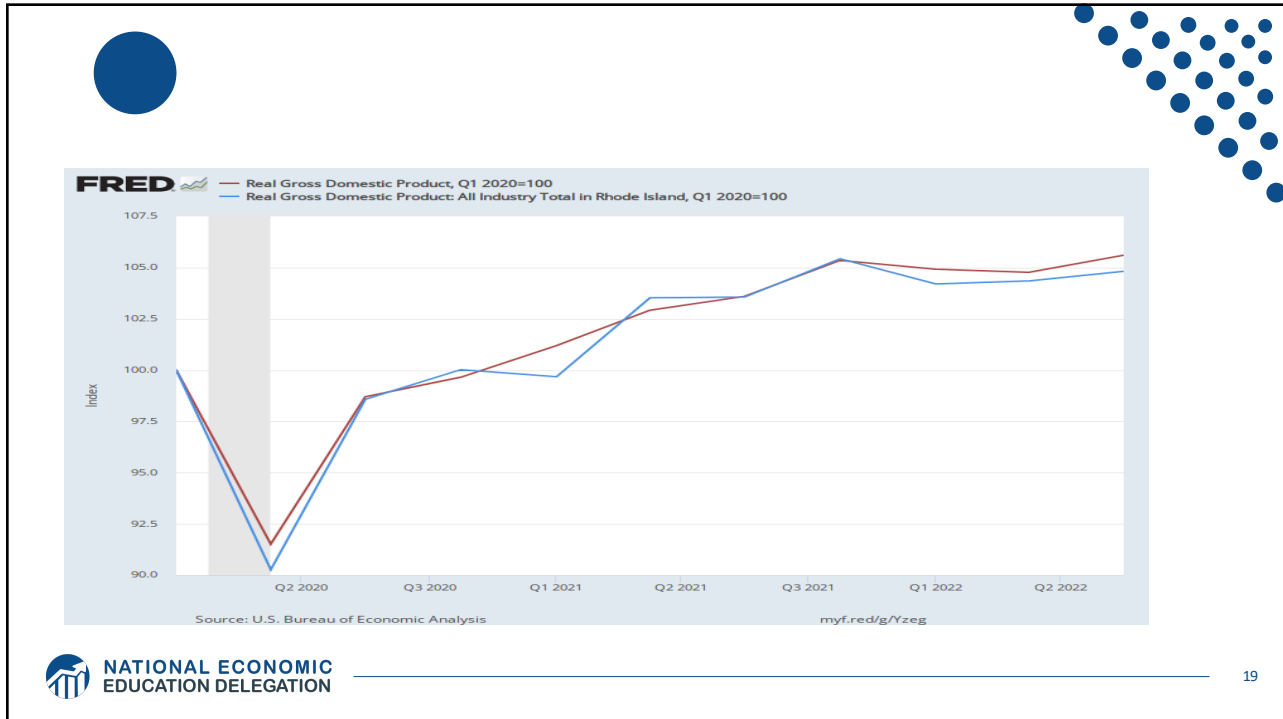


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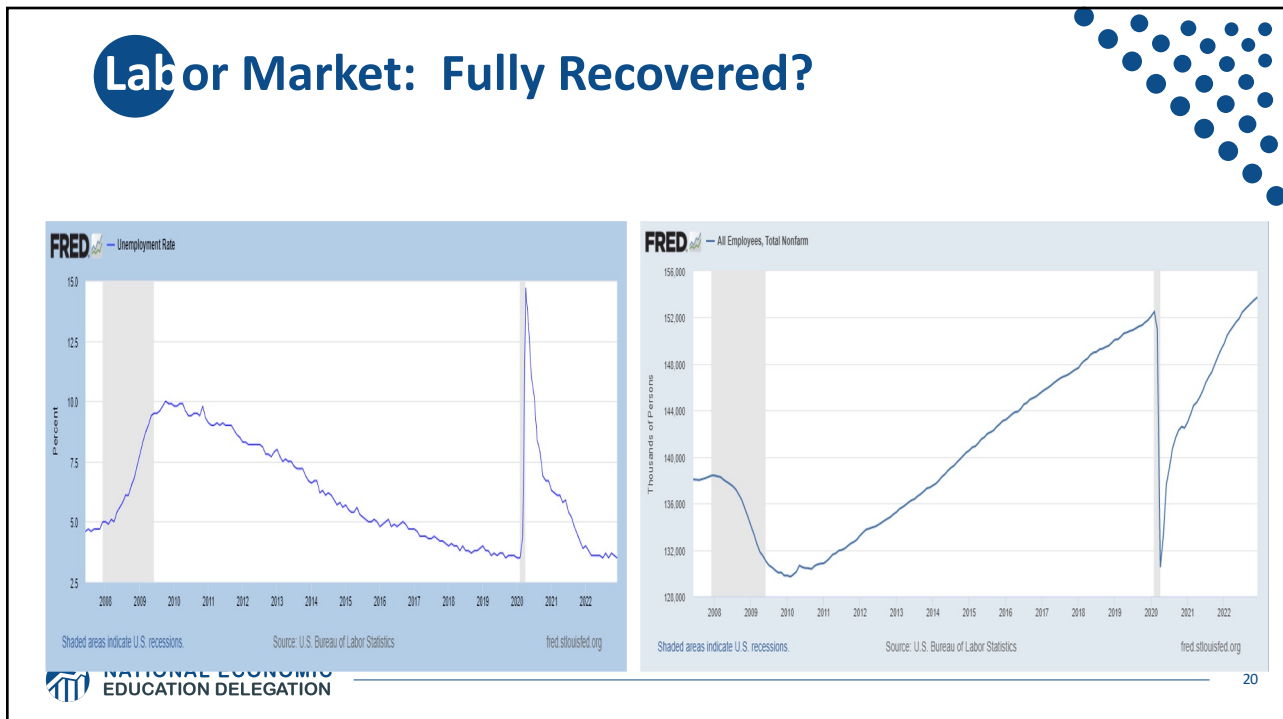
## Real GDP and 'Potential' during the Recovery



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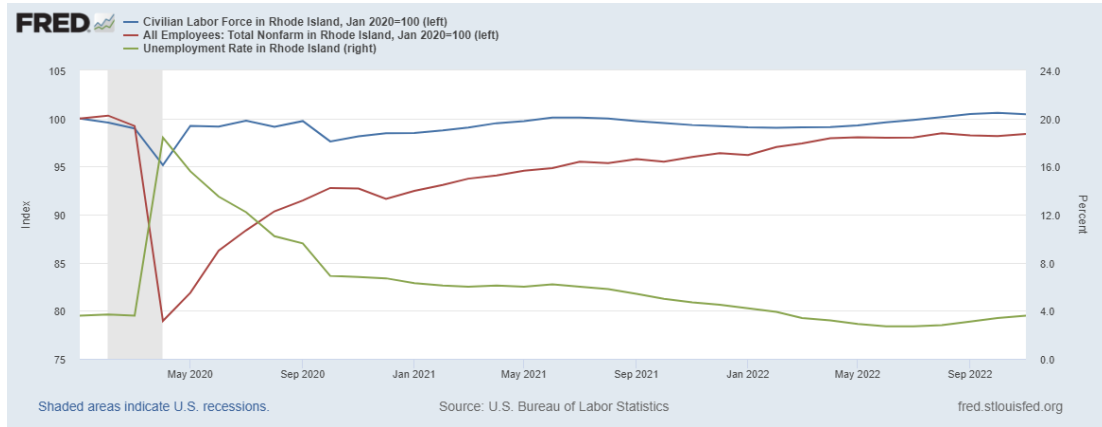


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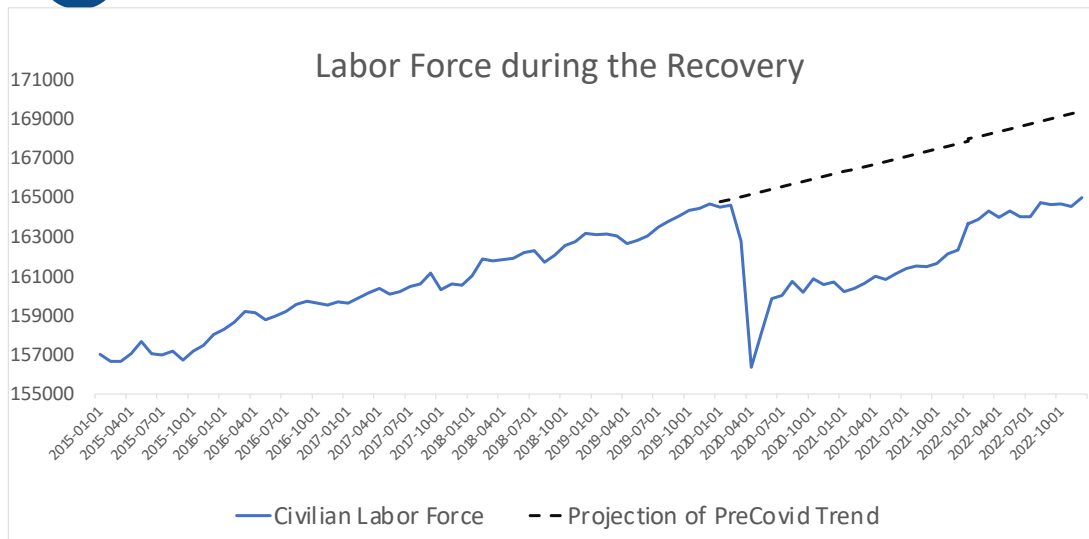
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# Labor Market in Rhode Island



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# Where Have All the Workers Gone?



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## Three (Apparent) Mysteries

1. Does 2 consecutive quarters of negative real GDP growth mean we are in a recession?
2. Does the uptick in the unemployment rate mean a weak economy headed for recession?
3. Where have all the workers gone?



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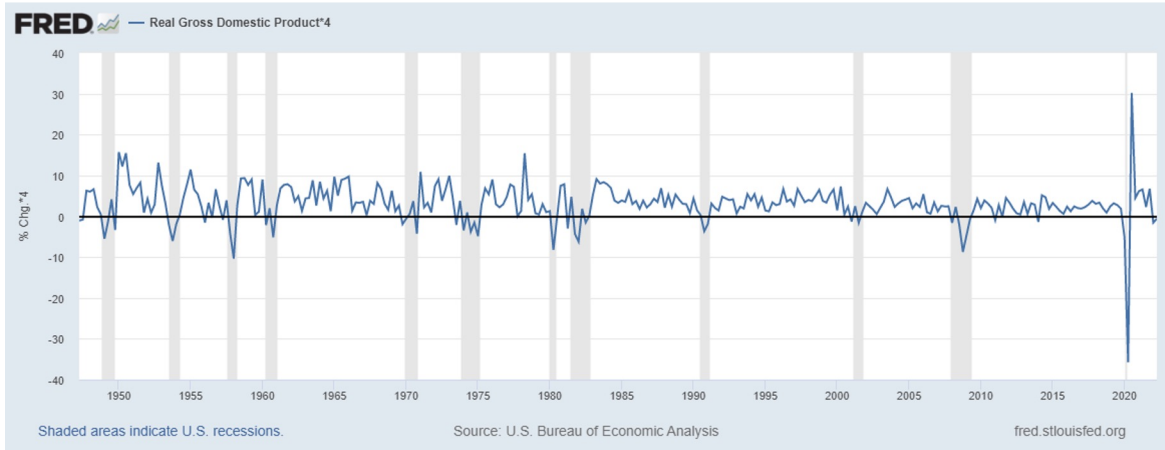
## First, What is a Recession?

- Defined by the National Bureau of Economic Research (NBER)
- “The NBER's definition emphasizes that a recession involves a significant decline in economic activity that is spread across the economy and lasts more than a few months.”
- Popular Rule of Thumb: Two or more, consecutive quarters where Real GDP falls.
- Recessions are caused by decreases in total spending.



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## Real GDP Growth and Recessions



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## Recession or No Recession: What do you think?

- Employment has grown continually.
- But the unemployment rate is up and GDP growth is negative
- Poll1
- Why does it matter?
- It may be a measurement issue. An alternate measure of GDP (GDI) was up 1.7% in Q1 and 1.3% in Q2.
- Very unlikely, the NBER will call a recession *starting* in the first half of this year.
- But is the uptick in the unemployment rate a sign of a weak economy and a looming recession?



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## Some Definitions

- $CN_{Population} = Labor\ Force + \text{Not in the Labor Force}$
- Not in the Labor Force are people without jobs and who are not looking for jobs
- $Labor\ Force(LF) = Employed\ (E) + Unemployed(U)$ .
- Unemployed are people without a job who are actively seeking to find a job.
- Unemployment rate(UR) is  $U/LF$



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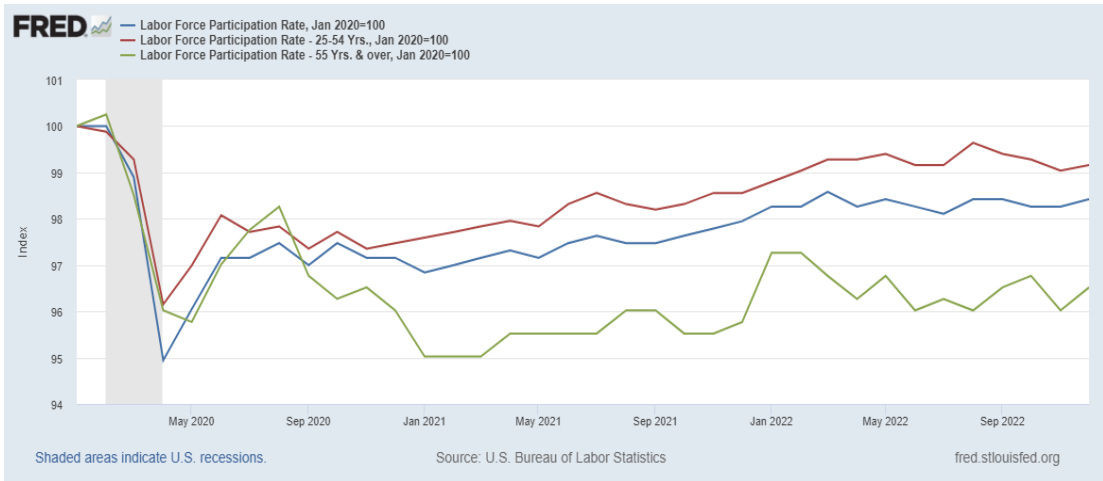
## Some Arithmetic

- July:  $LF = 164.0; E=158.3; U=5.7$ , so  $UR=5.7/164=3.5$
- August  $LF =164.7; E=158.7; U=6.0$ , so  $UR = 6/164.7=3.65$ , rounded to 3.7
- How did both the number of unemployed increase 300K and the number of employed increase by 400K?
- Is the increase in LF a sign of a weakening economy?
- Poll2.



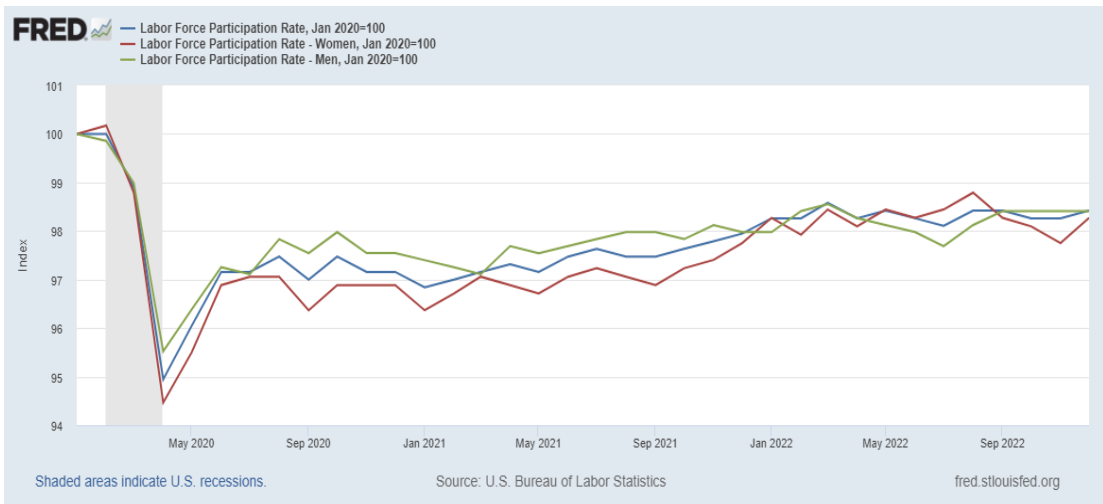
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# Age Seems to Matter



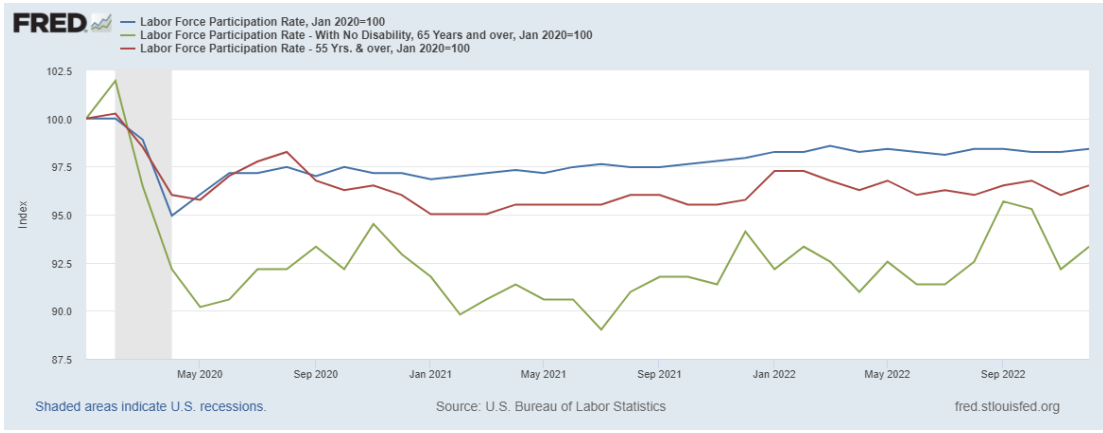
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# Gender Doesn't Seem to Matter

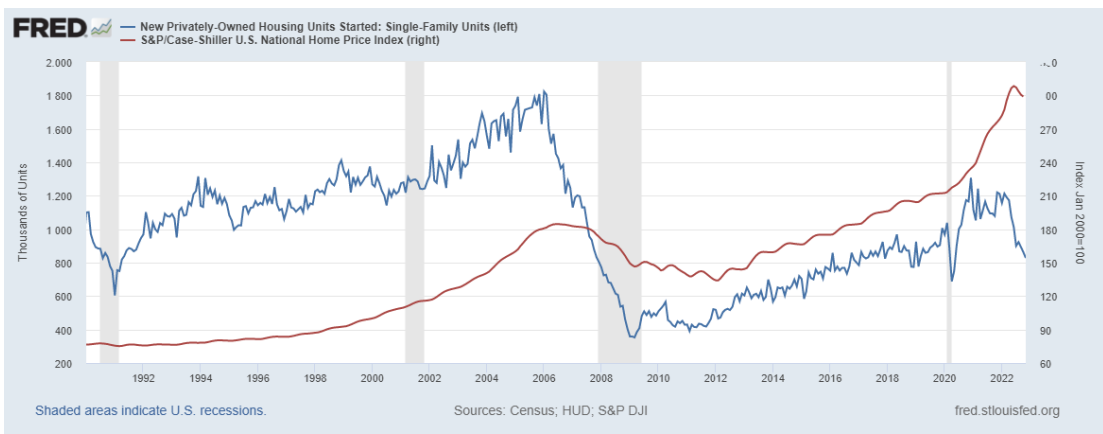


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# Race?



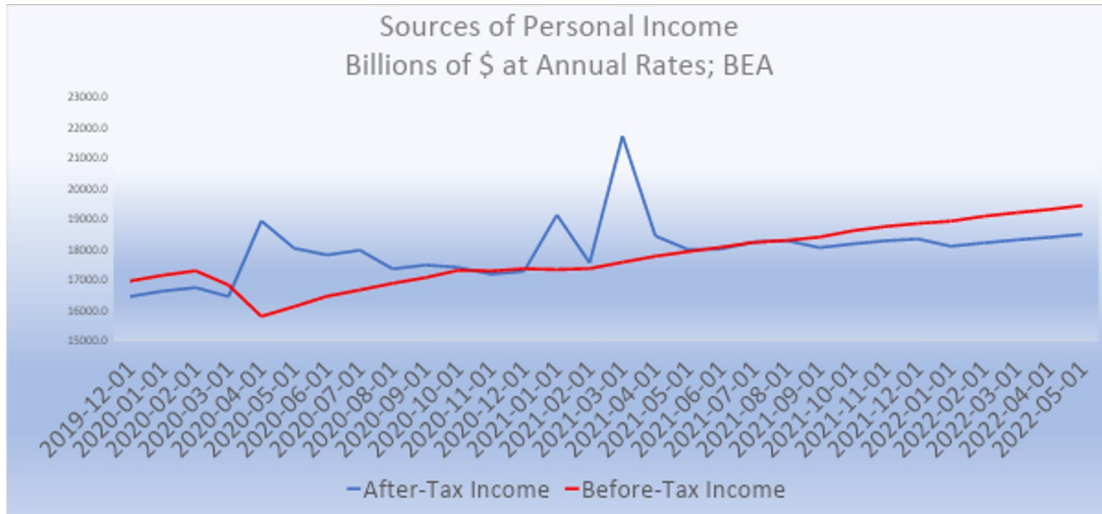
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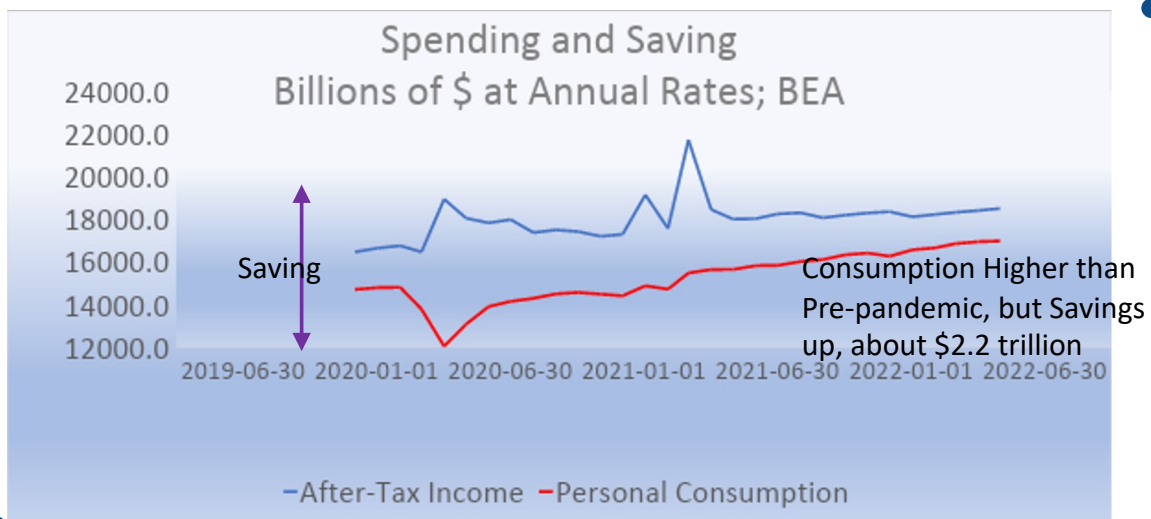


## Fiscally Driven Recovery



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## Households Lead the Way



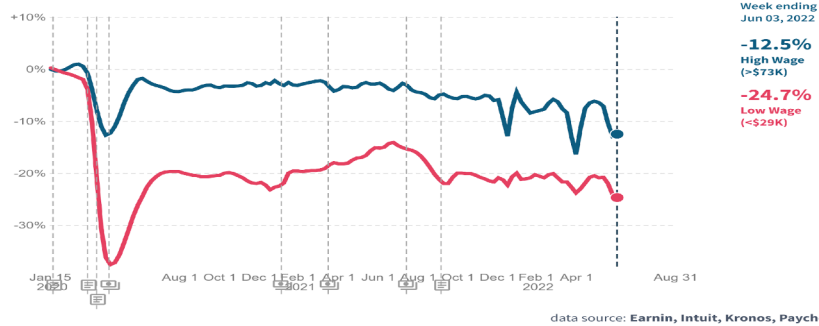
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# K-Shaped Recovery

OPPORTUNITY INSIGHTS ECONOMIC TRACKER HARVARD BROWN BILL & MELINDA GATES FOUNDATION

## Percent Change in Employment\*

In the United States, as of June 03 2022, employment rates among workers in the top wage quartile decreased by 12.5% compared to January 2020 (not seasonally adjusted).



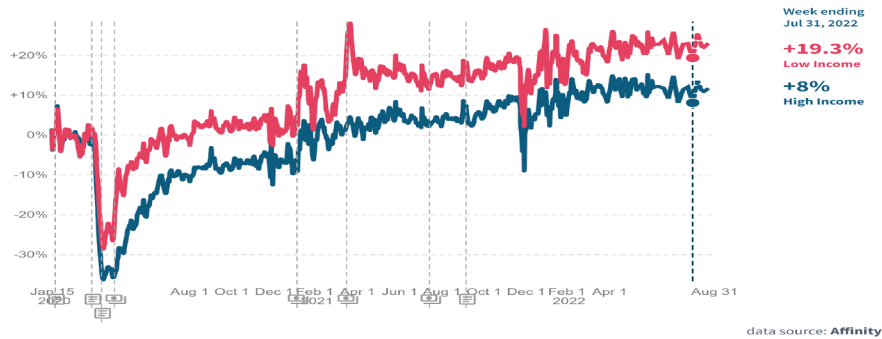
\*Change in employment rates (not seasonally adjusted), indexed to January 4-31, 2020. This series is based on payroll data from Paychex and Intuit, worker-level data on employment and earnings from Earnin, and timesheet data from Kronos. The dashed line is a prediction of employment rates based on Kronos and Paychex data.  
last updated: July 21, 2022 next update expected: September 02, 2022

# Stimulus Payments Saved Low Wage Workers

OPPORTUNITY INSIGHTS ECONOMIC TRACKER HARVARD BROWN BILL & MELINDA GATES FOUNDATION

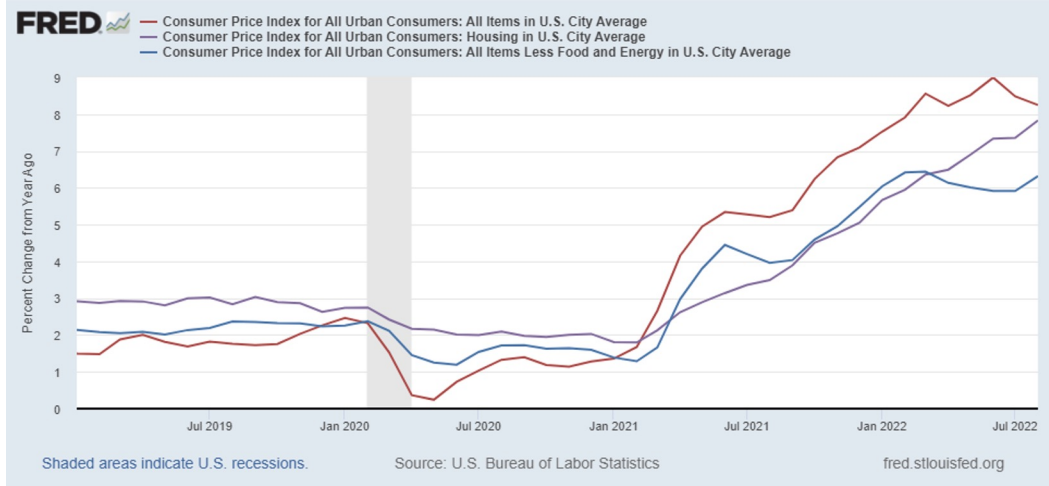
## Percent Change in All Consumer Spending\*

In the United States, as of July 31 2022, total spending by high-income consumers increased by 8% compared to January 2020.



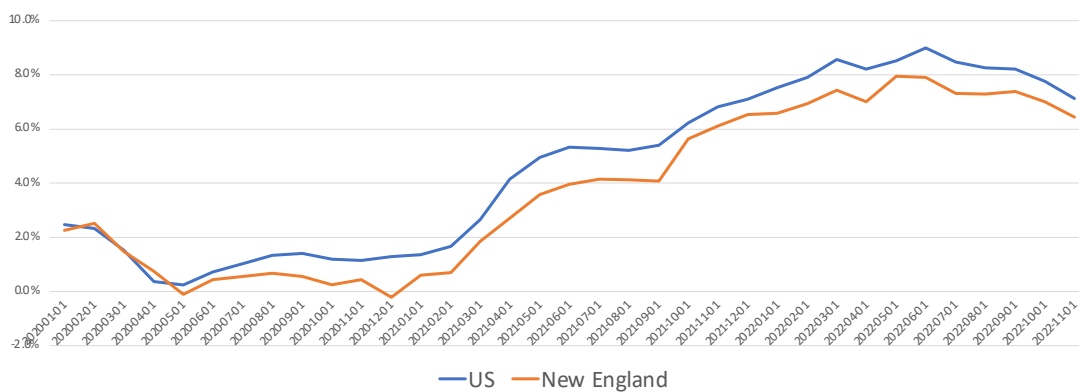
\*Change in average consumer credit and debit card spending, indexed to January 4-31, 2020 and seasonally adjusted. The dashed segment of the line is provisional data, which may be subject to non-negligible revisions as newer data is posted. This series is based on data from Affinity Solutions.  
last updated: August 30, 2022 next update expected: September 07, 2022

# Inflation during the Recovery

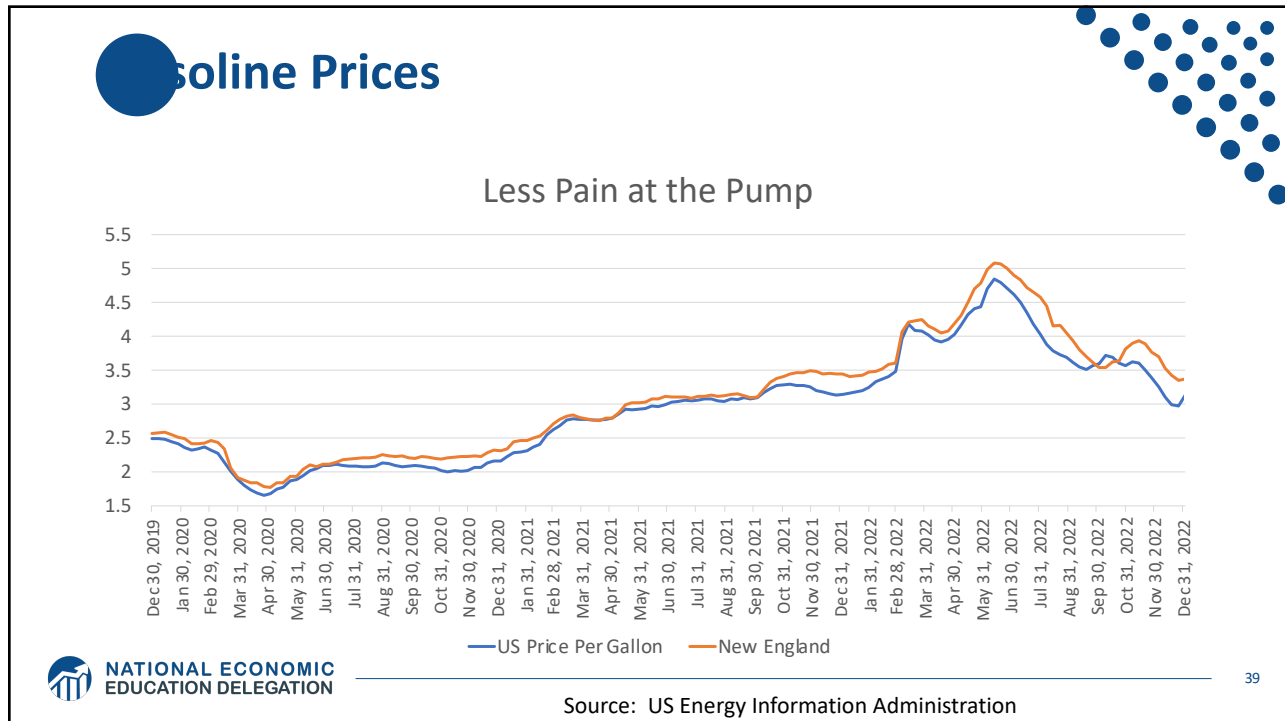


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# CPI Inflation: US and New England



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## FOMC Forecasts, December 14, 2022

Variable (in percent)	Medians				
	2022	2023	2024	2025	Longer Run
<b>RGDP growth</b>	0.5	0.5	1.6	1.8	1.8
<b>Sept.</b>	0.2	1.2	1.7	1.8	1.8
<b>Unemployment</b>	3.7	4.6	4.6	4.5	4.0
<b>Sept.</b>	3.8	4.4	4.4	4.3	4.0
<b>Inflation</b>	5.6	3.1	2.5	2.1	2.0
<b>Sept.</b>	5.4	2.8	2.3	2.0	2.0
<b>Core Inflation</b>	4.8	3.5	2.5	2.1	2.0
<b>Sept.</b>	5.4	2.8	2.3	2.0	2.0
<b>Federal Funds</b>	4.4	5.1	4.1	3.1	2.5
<b>Sept.</b>	4.4	4.6	3.9	2.9	2.5

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# Philadelphia Fed Survey of Professional Forecasters

Variable (in percent)	Medians			
	2022	2023	2024	2025
<b>RGDP growth</b>	1.9	0.7	1.8	2.2
<b>Aug.</b>	1.6	1.3	2.3	2.1
<b>Unemployment</b>	3.7	4.2	4.3	4.2
<b>Aug.</b>	3.7	3.9	3.9	3.9
<b>Inflation</b>	5.9	2.9	2.3	
<b>Aug.</b>	5.8	2.8	2.3	
<b>Core Inflation</b>	4.8	3.0	2.4	
<b>Aug.</b>	4.5	2.8	2.2	2.0
<b>3 mo. Tbill</b>	2.0	4.5	3.9	3.3
<b>Aug.</b>	1.7	3.3	3.0	2.8

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# The Stock Market Wasn't Happy



Data delayed at least 15 minutes • Source: FactSet • By: Ella Koeze

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## Stabilizer in Chief: the Fed



Jerome Powell  
February 2018

on Price Index

### • The Fed's Dual Mandate:

1. "Stable prices" which means 2% rate of inflation in the long run (which corresponds to about 2.5% inflation in the medium run)
2. "Maximum employment" which means the highest level of employment (lowest unemployment rate) consistent with mandate 1.

- **The Fed affects the economy via interest rates, raising them when they are more worried about inflation and lowering them when they are more worried about unemployment.**
- **Fiscal Policy (taxes and spending, President and the Congress) can affect inflation and unemployment, but it is the Fed's job to achieve the dual mandate**



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## The Fed on November 4, 2021

The Committee seeks to achieve maximum employment and inflation at the rate of 2 percent over the longer run. With inflation having run persistently below this longer-run goal, the Committee will aim to achieve inflation moderately above 2 percent for some time so that inflation averages 2 percent over time and longer-term inflation expectations remain well anchored at 2 percent. The Committee expects to maintain an accommodative stance of monetary policy until these outcomes are achieved.

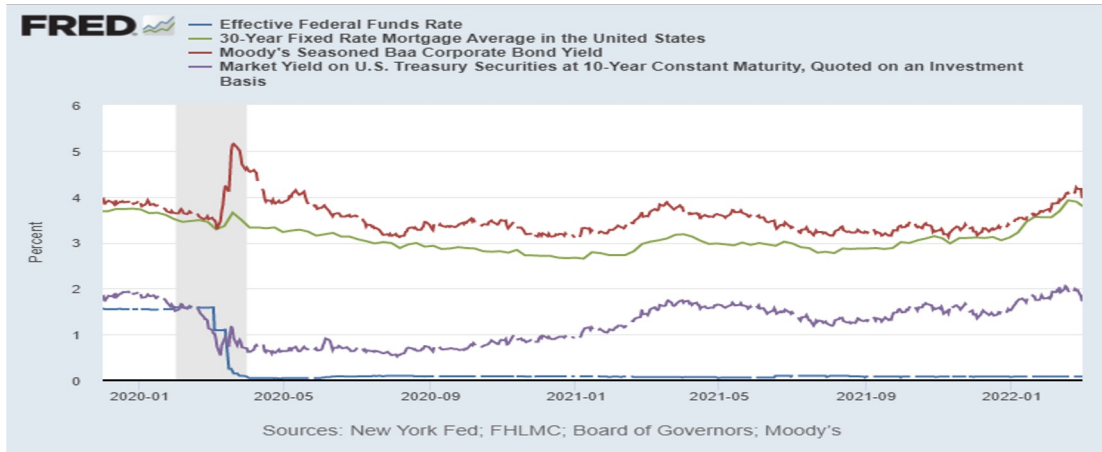


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# Accommodative Monetary Policy!



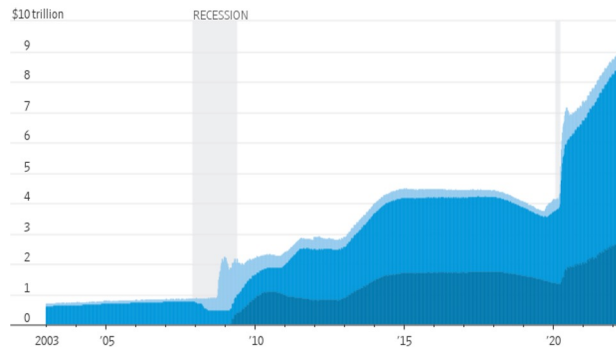
# Fed QE during the Recovery

- Zero interest rates until March and a Big QE program

## Bond Binge

The Federal Reserve's asset holdings have more than doubled since March 2020

■ Mortgage bonds ■ Treasuries ■ Other



## Why?

- “Supply Chain Disruptions” can have a *temporary* effect to raise the rate of inflation.
- The Fed had had a recent history of raising interest rates *before* the economy achieved full employment
  1. Average inflation during the 2010s was only 1.6 percent.
  2. The unemployment rate in Nov of 2021 was 4.2 percent, whereas pre-pandemic it was 3.5 percent.

**(More on this in 2 weeks)**



## What's at Stake?

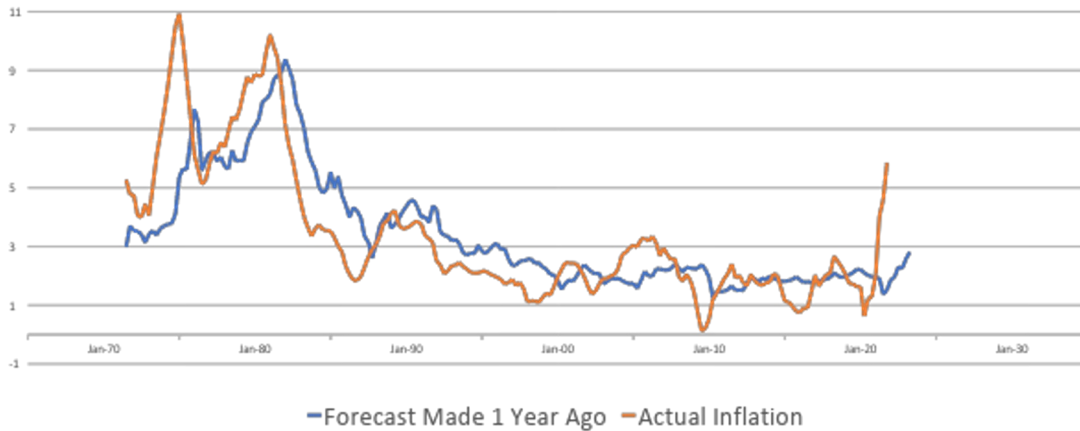
- If people expect inflation, that can lead to high actual inflation.
- Paul Volcker in 1981 realized this point and wrung inflation out of the system with a massive recession.
- Unemployment peaked at 11%.
- Europe's lost decade.
- Latin America Debt Crisis.
- But, (for the US) it worked!





# “Anchoring” Inflation Expectations

Expectations and Subsequent Inflation



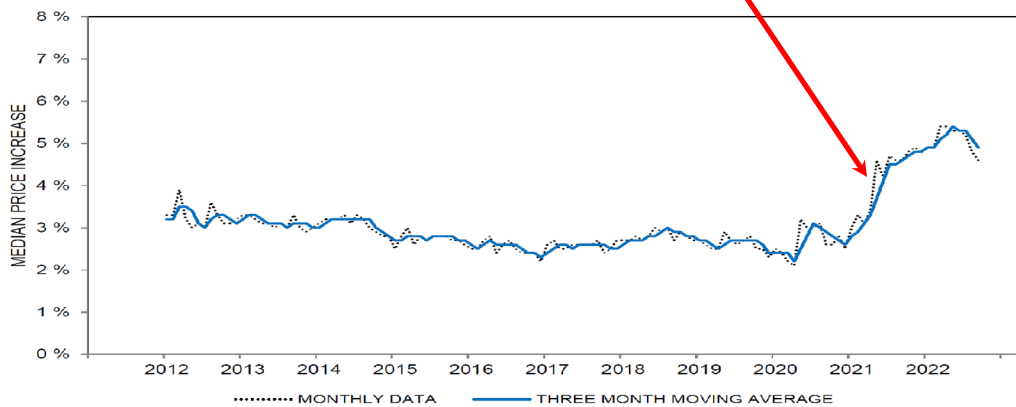
Forecasts: Philadelphia Fed, “Survey of Professional Forecasters”



# But, Boy Have Things Changed since November!

May

EXPECTED CHANGE IN PRICES DURING THE NEXT YEAR



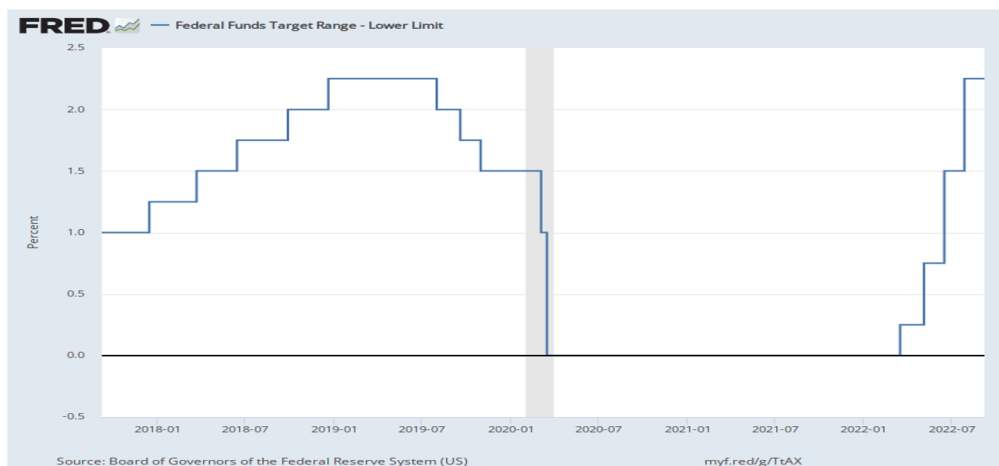
“Surveys of Consumers,” University of Michigan, ©

## Chair Powel at Jackson Hole Conference (8/26)

Restoring price stability will take some time and requires using our tools forcefully to bring demand and supply into better balance. Reducing inflation is likely to require a sustained period of below-trend growth. Moreover, there will very likely be some softening of labor market conditions. While higher interest rates, slower growth, and softer labor market conditions will bring down inflation, they will also bring some pain to households and businesses. These are the unfortunate costs of reducing inflation. But a failure to restore price stability would mean far greater pain.

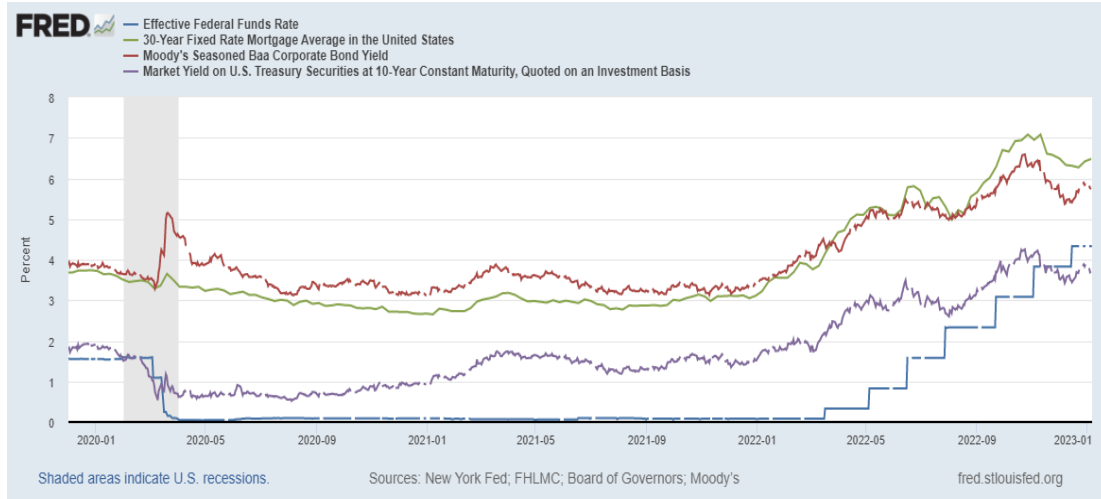
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## Four Increases in 4 Meetings



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## Interest Rates are Headed Higher



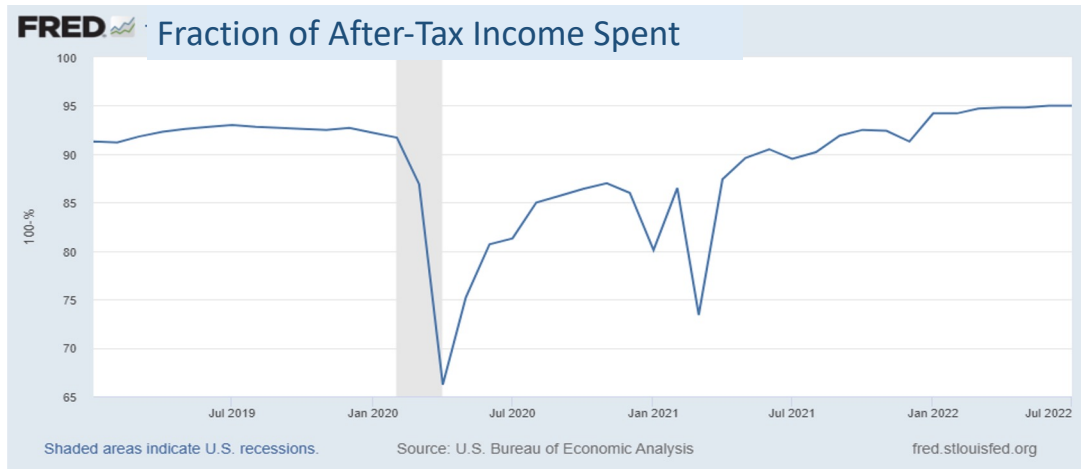
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## My Diagnosis for the Uptick in Inflation

- Yes, there were supply chain issues that affected some areas in particular (e.g., computer chips).
- But there was and is (?) too much total spending.
- Fiscal stimulus led households to increase saving over 2021 by more than \$2 trillion.

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## Consumers Are Spending Some of It!



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## Where we Stand

- **The ARP was probably too big, but the Fed was aware of this.**
- **The growth in real GDP is slowing but there is still a great deal of momentum.**
- **The Fed's Choice**
  1. Slam on the brakes by raising interest rates by 75 (100?) basis points at their meeting. (The following meeting is a week before the election)
  2. Go for a smaller increase to show resolve, but try to avoid a recession.

**Poll3.**



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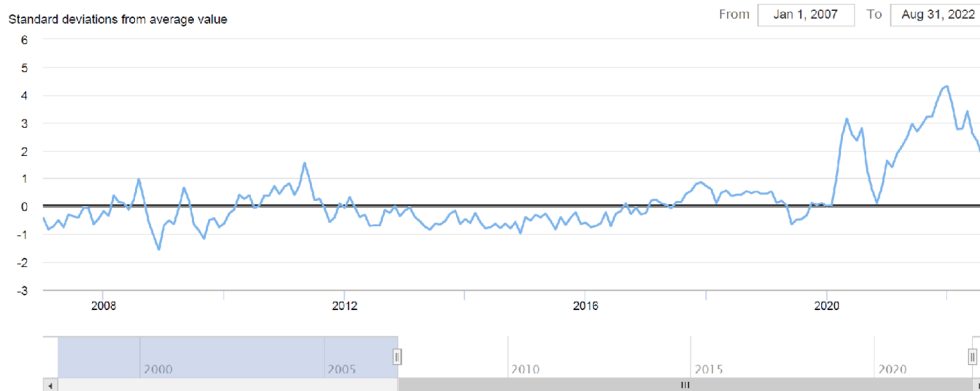
## So, What Lies Ahead?

Darned if I know!

1. What will happen to the War in Ukraine; gas prices, food prices the EU economies?
2. Michigan Survey of Consumer Sentiment and Expectations of Inflation released next week?
  - The Goal: a “Soft Landing”?
  - Working in the Fed’s favor
    1. Supply pressure easing.
    2. Gasoline Prices Falling.
    3. Financial Market Expectations of Inflation are pretty stable.

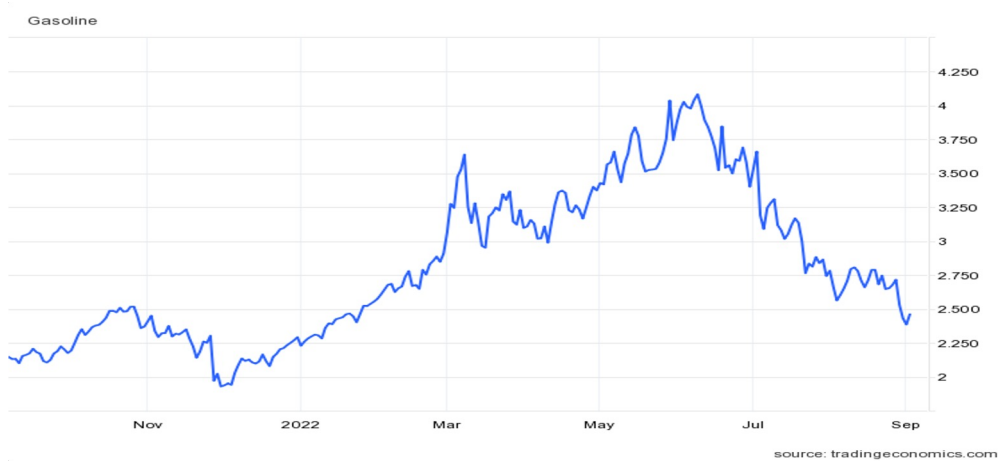
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## Global Supply Chain Pressures



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# Gas Prices



# Financial Market Expectations of Inflation



## Stay Tuned (Next Fed Meeting this PM)!

### But now Let's Hear what you think?

1. Are we headed for a recession?
2. Will the Fed be successful in taming?
3. Should (will?) the state of the economy affect the midterms?

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## Let's Hear from You!

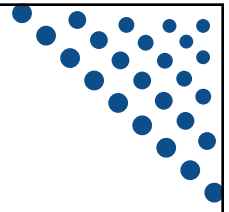
**Geoffrey Woglom**  
**grwoglom@amherst.edu**

**Contact NEED: [Info@NEEDelegation.org](mailto:Info@NEEDelegation.org)**

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For every state and county in the United States.  
Detailed graphs on employment, housing, moves, and other statistics.

