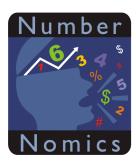
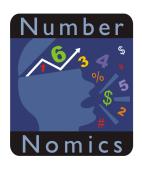


Rate Hikes – Too Little, Too Late

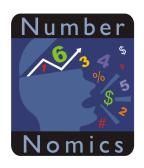
Stephen D. Slifer
NumberNomics
www.numbernomics.com



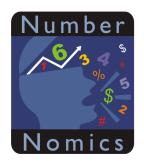




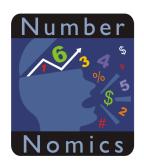
1. Forecast very dependent upon the war.



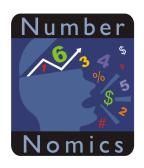
- 1. Forecast very dependent upon the war.
- 2. U.S. economy strong now. Can withstand a shock.



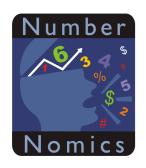
- 1. Forecast very dependent upon the war.
- 2. U.S. economy strong now. Can withstand a shock.
- 3. Inflation will continue to rise rapidly.



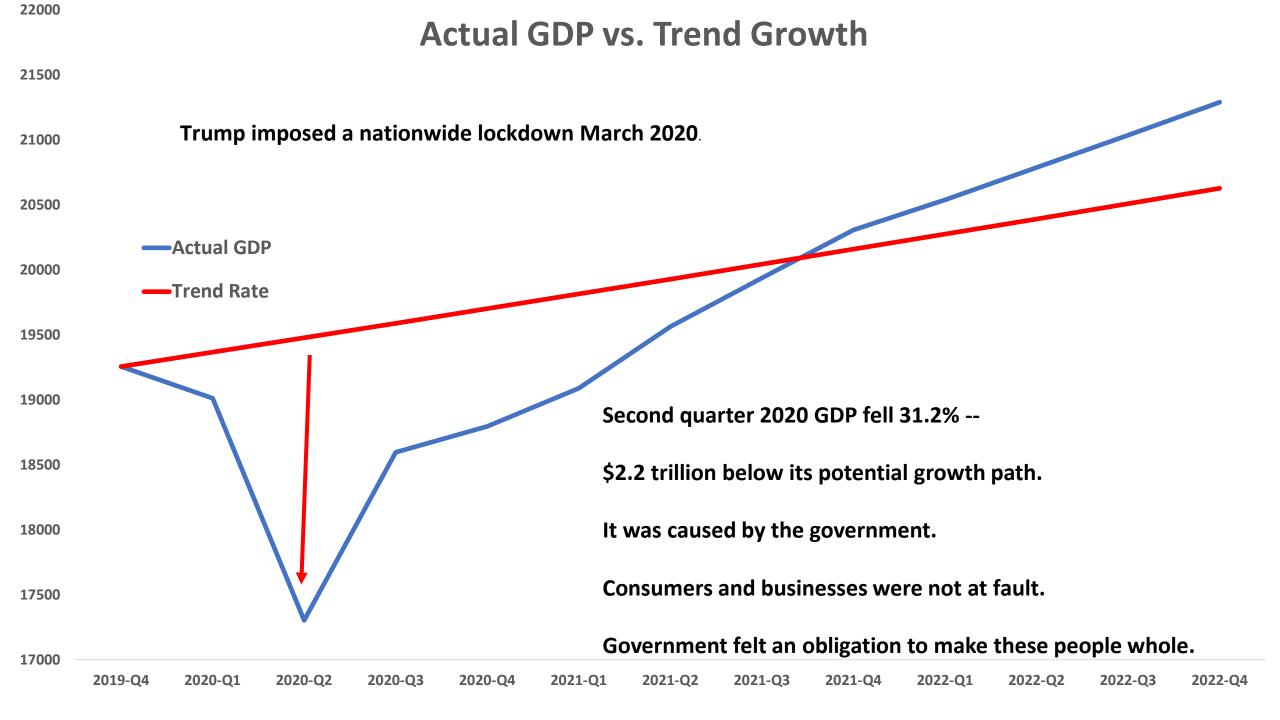
- 1. Forecast very dependent upon the war.
- 2. U.S. economy strong now. Can withstand a shock.
- 3. Inflation will continue to rise rapidly.
- 4. Fed has dug a deep hole. Will raise rates rapidly.



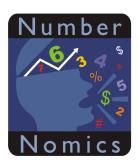
- 1. Forecast very dependent upon the war
- 2. U.S. economy strong now. Can withstand a shock.
- 3. Inflation will continue to rise rapidly.
- 4. Fed has dug a deep hole. Will raise rates rapidly.
- 5. But real rates will remain negative for years.



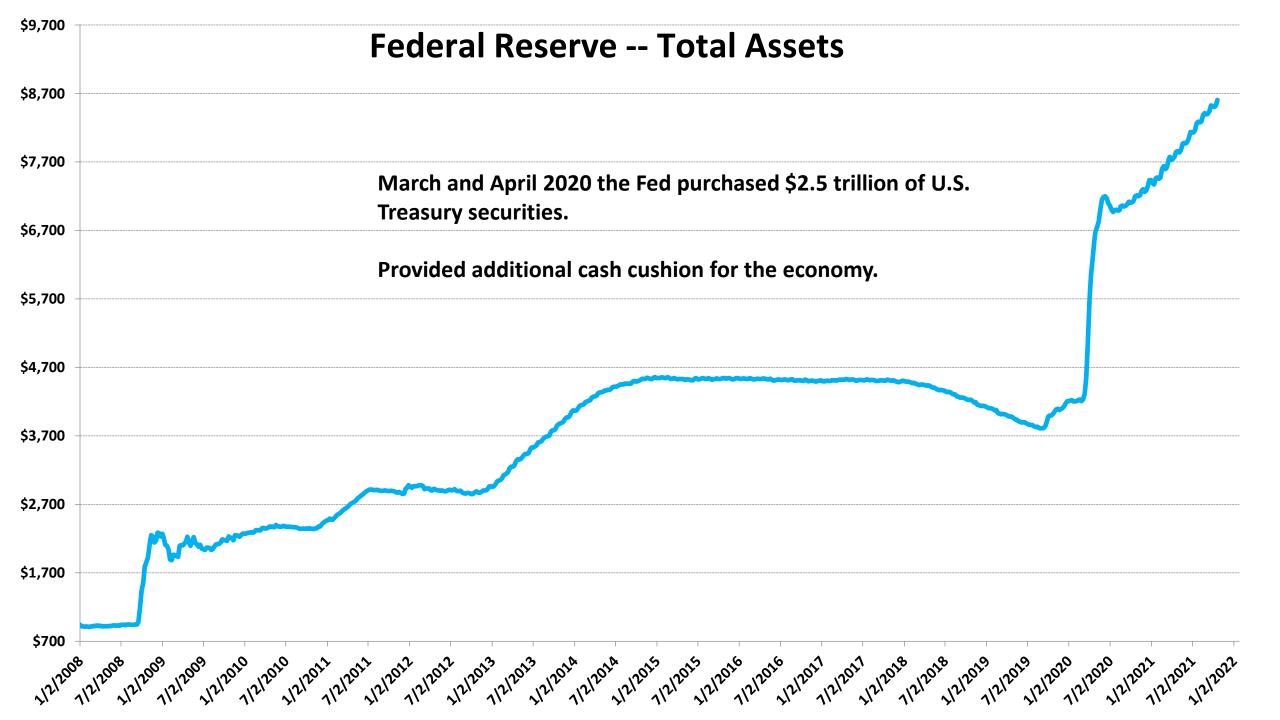
- 1. Forecast very dependent upon the war.
- 2. U.S. economy strong now. Can withstand a shock.
- 3. Inflation will continue to rise rapidly.
- 4. Fed has dug a deep hole. Will raise rates rapidly.
- 5. But real rates will remain negative for years.
- 6. Little chance of recession until real rates positive.



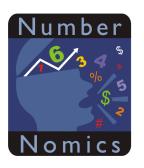




March 27, 2020 The \$2.5 Trillion Stimulus Package







But the stimulus kept on coming.

March 2020

-- \$2.5 trillion (Fiscal stimulus)

March/April 2020

-- \$2.5 trillion (Fed)

January 2021

-- \$0.9 trillion (Fiscal stimulus)

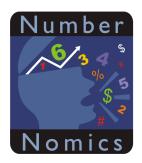
March 2021

-- \$1.9 trillion (Fiscal stimulus)

May 2020 - Mar. 2022 -- \$2.2 trillion (Fed)

Total

-- \$10.0 trillion

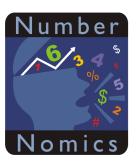


Economics. Explained.

Gross overkill

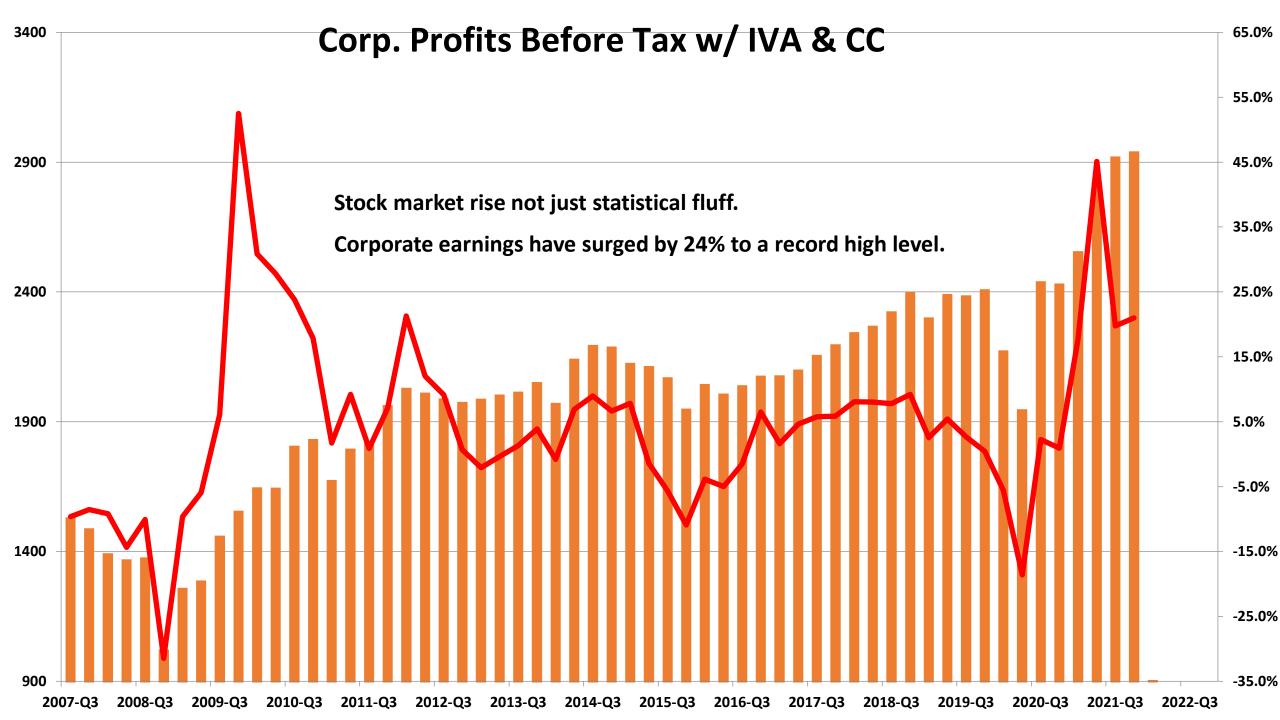
GDP Shortfall -- \$2.2 trillion

Stimulus -- \$10.0 trillion

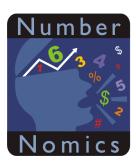


The economy has come roaring back.

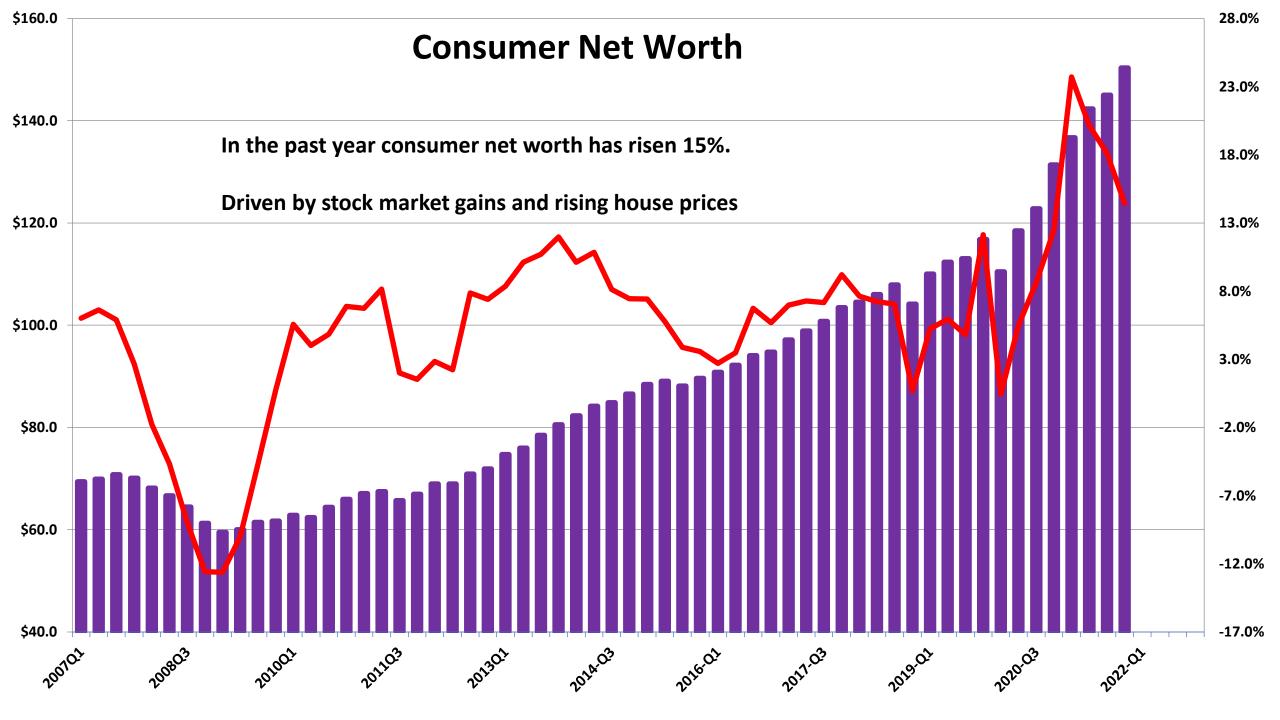


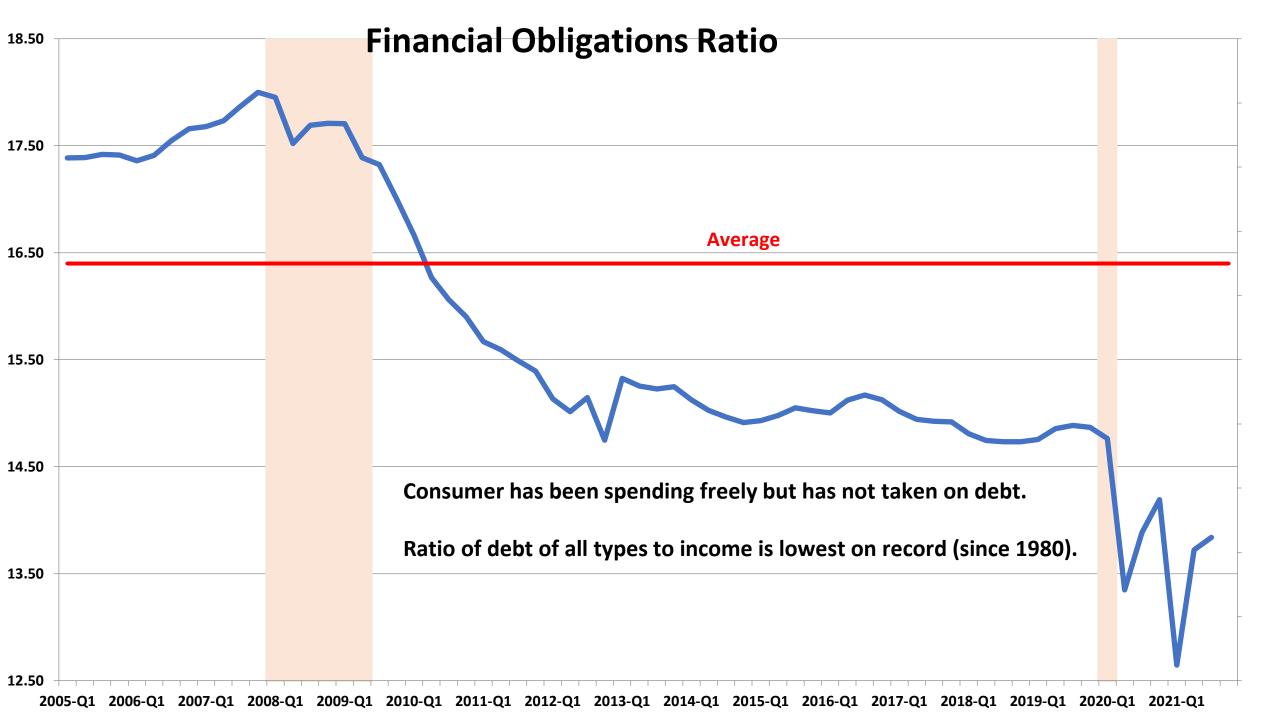


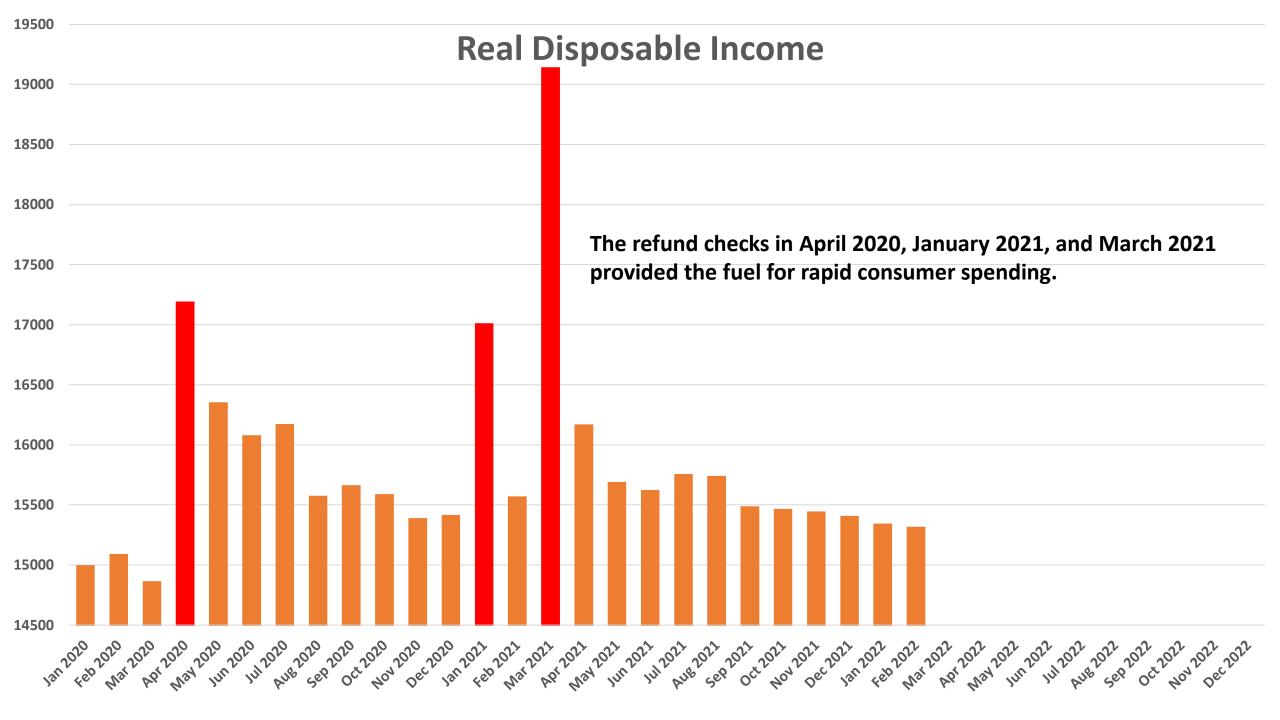




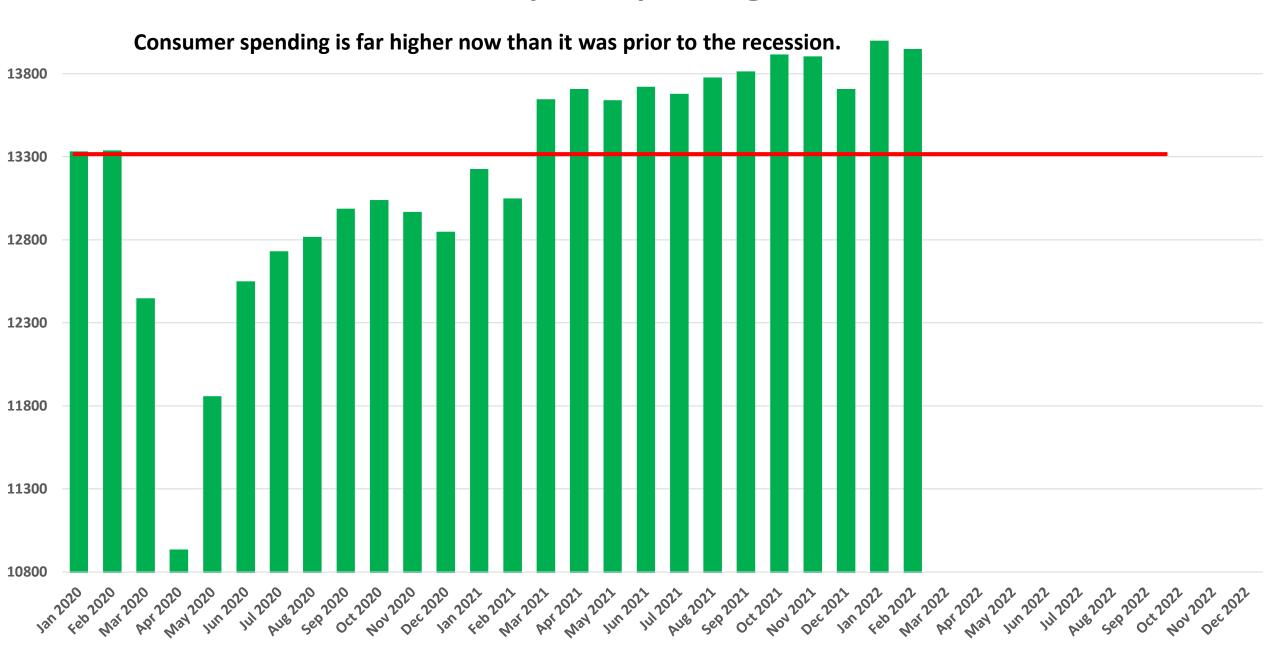
Consumer.



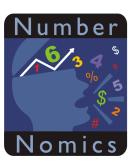




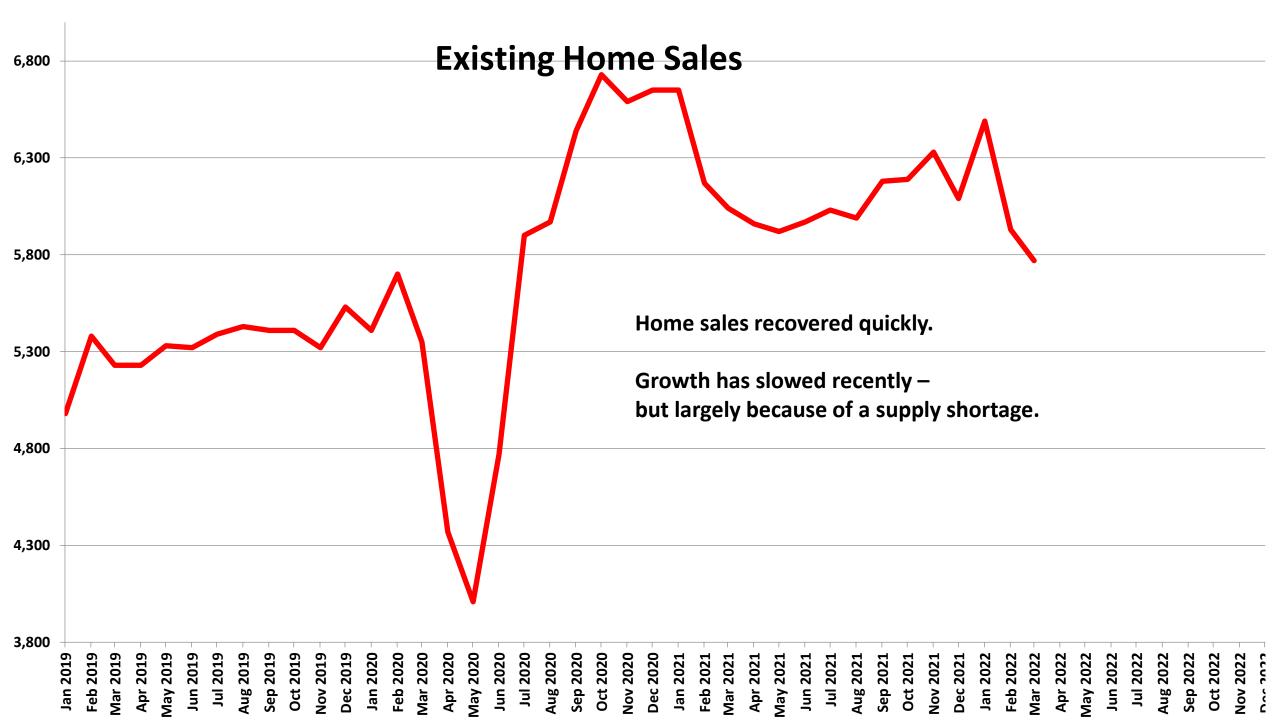
Real Consumption Spending

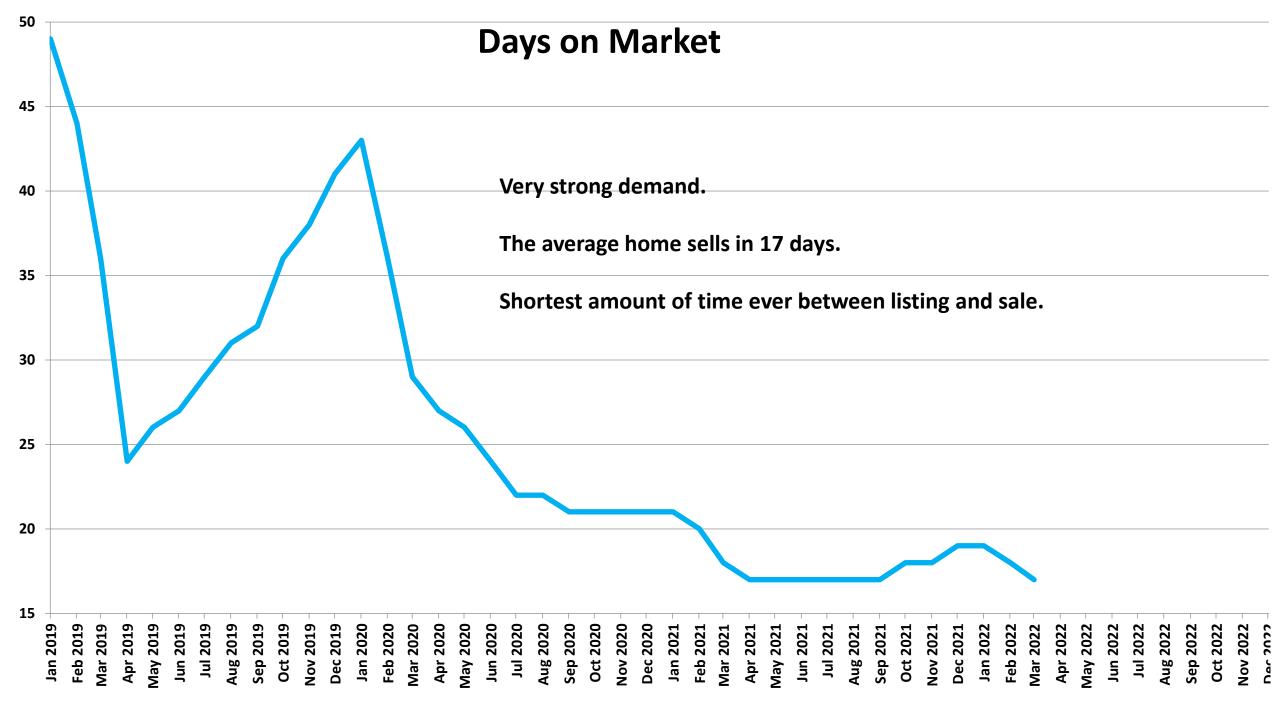


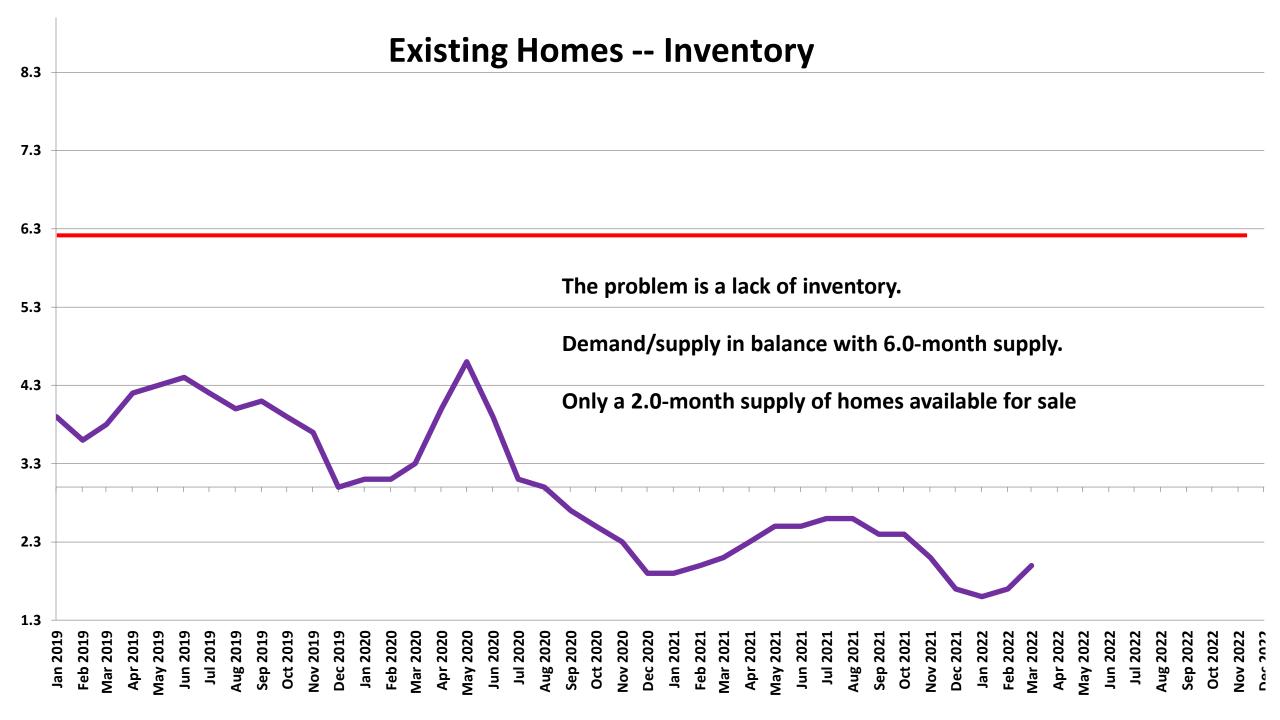


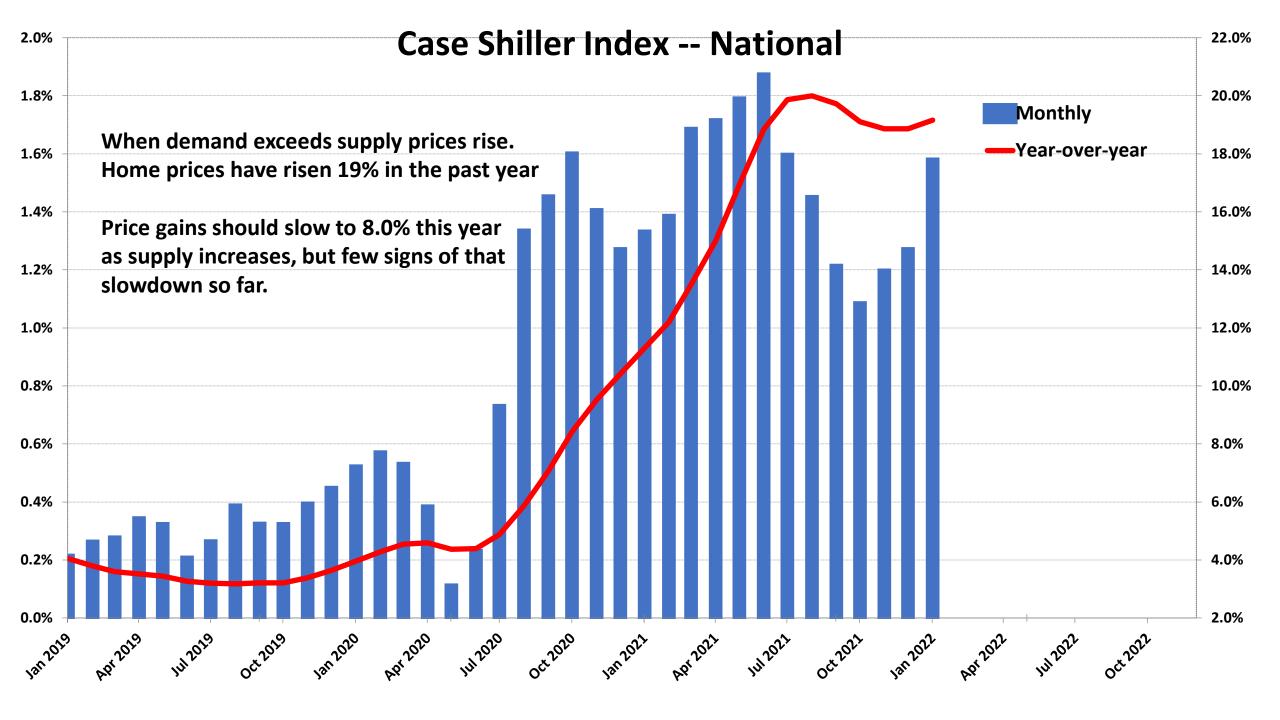


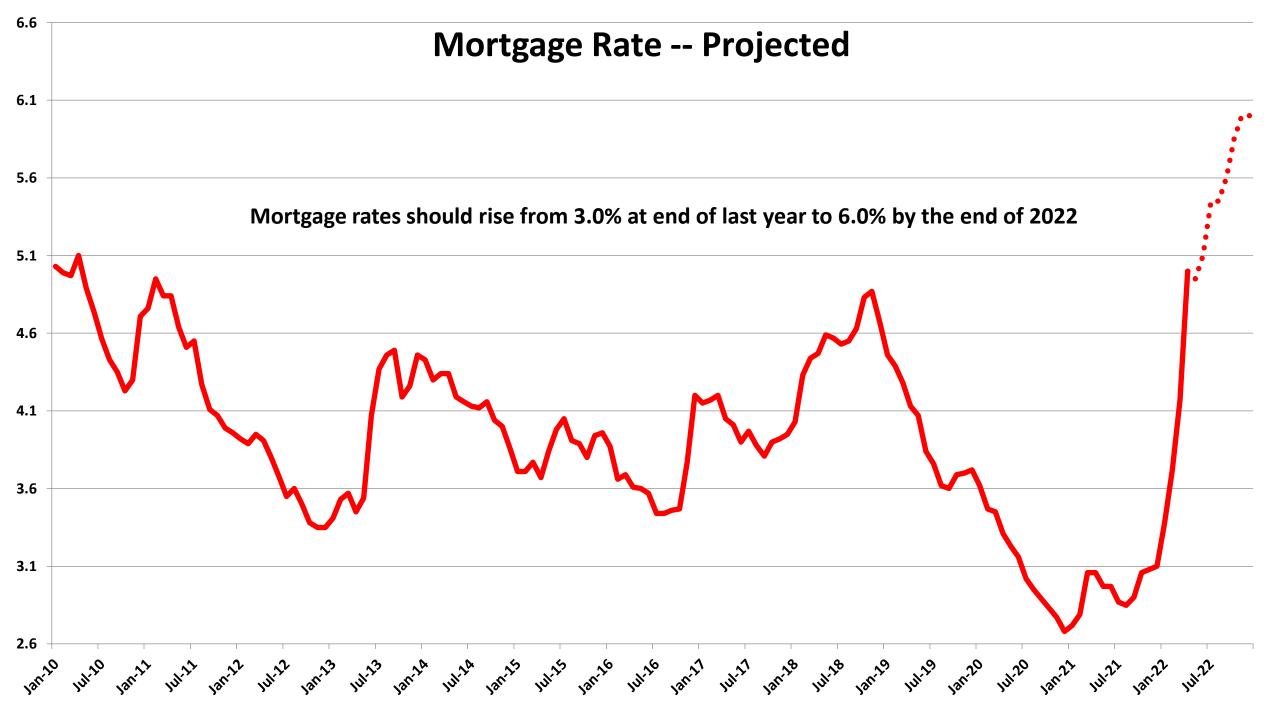
Housing.

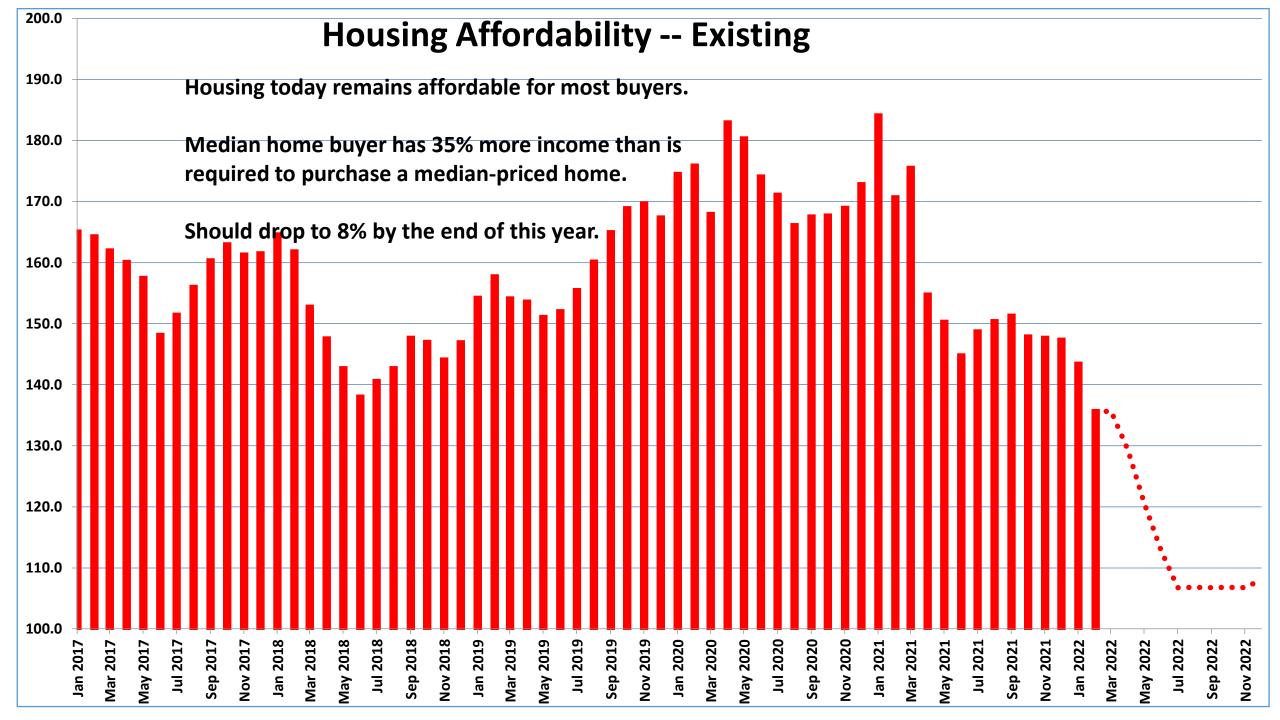


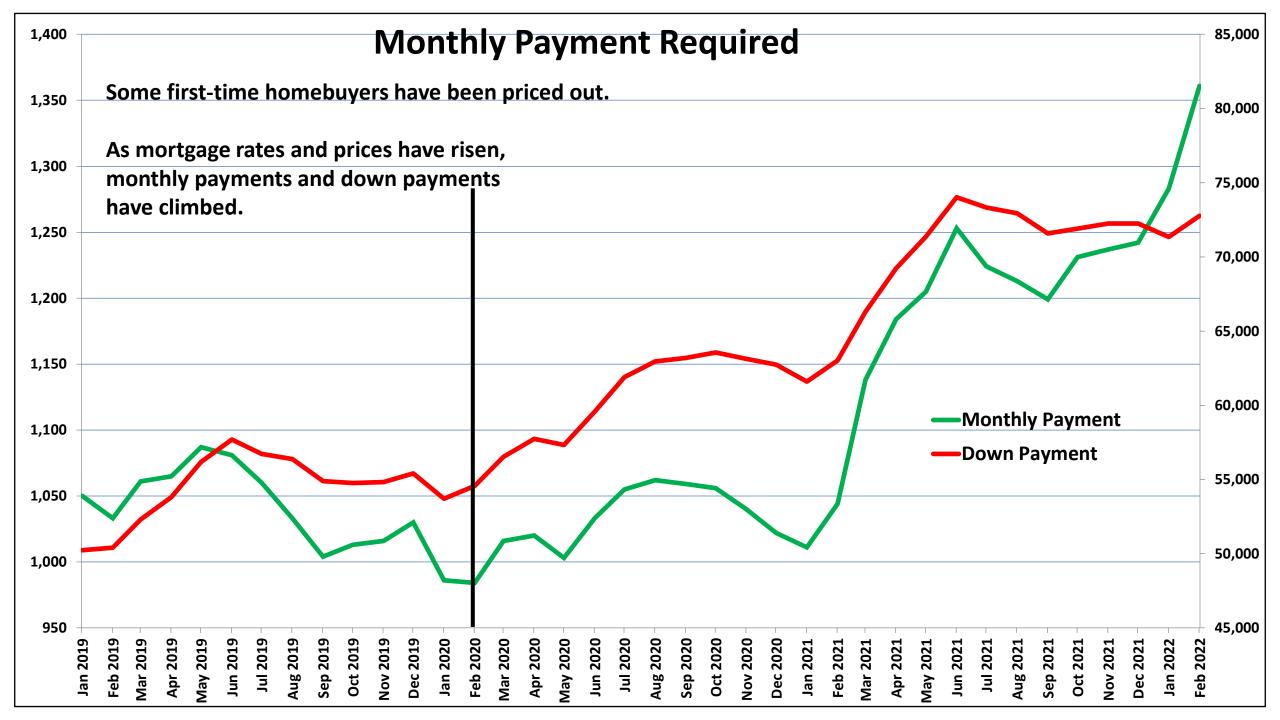


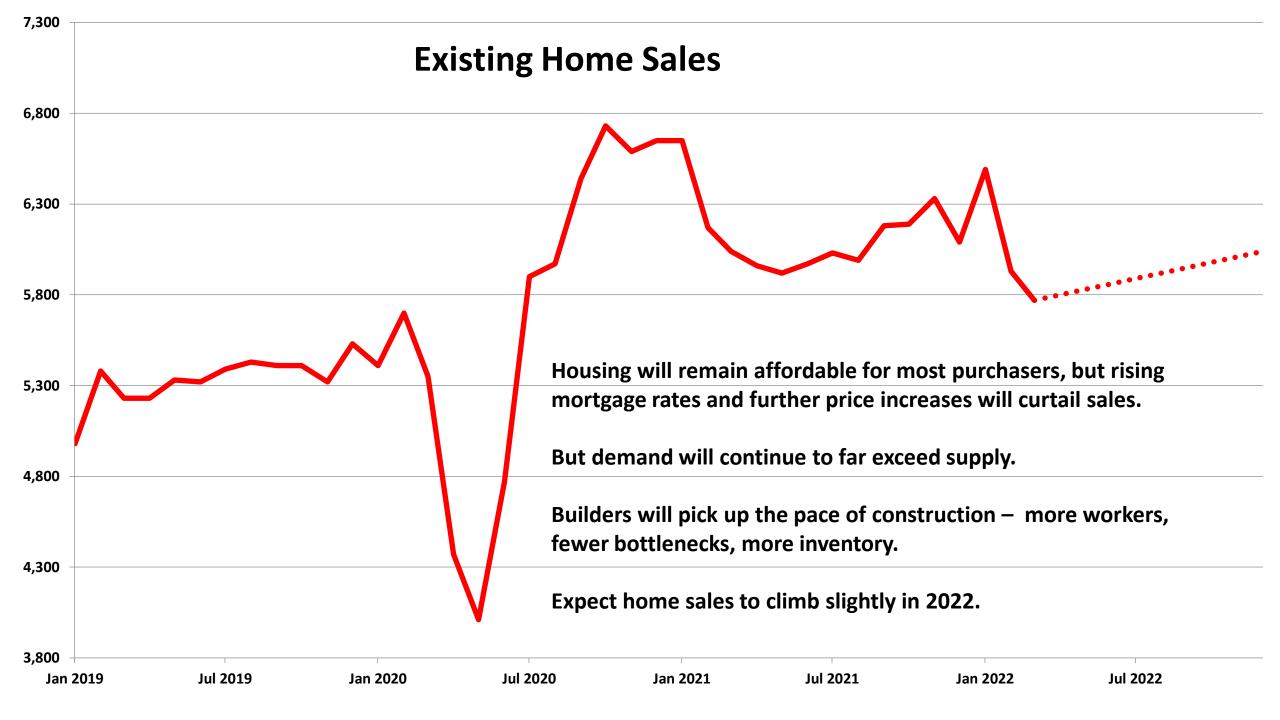


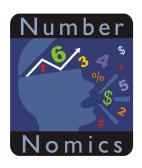








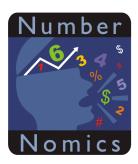




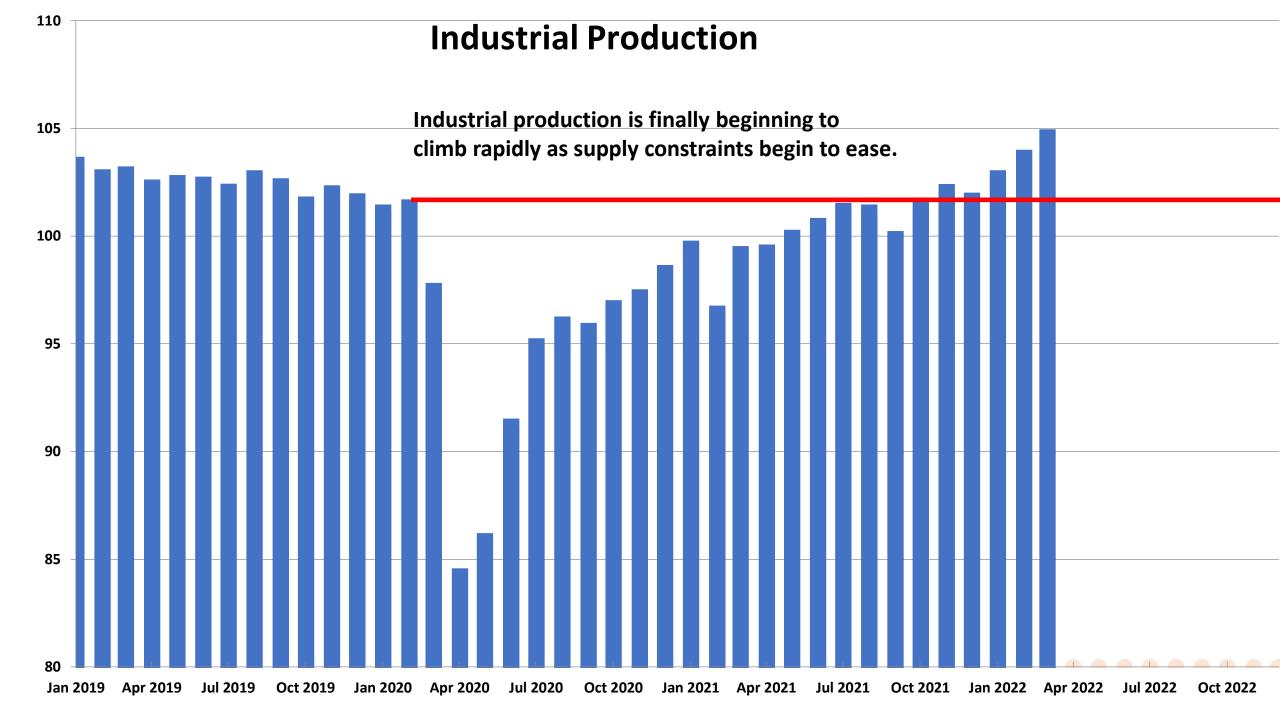
The demand for goods and services is hot.

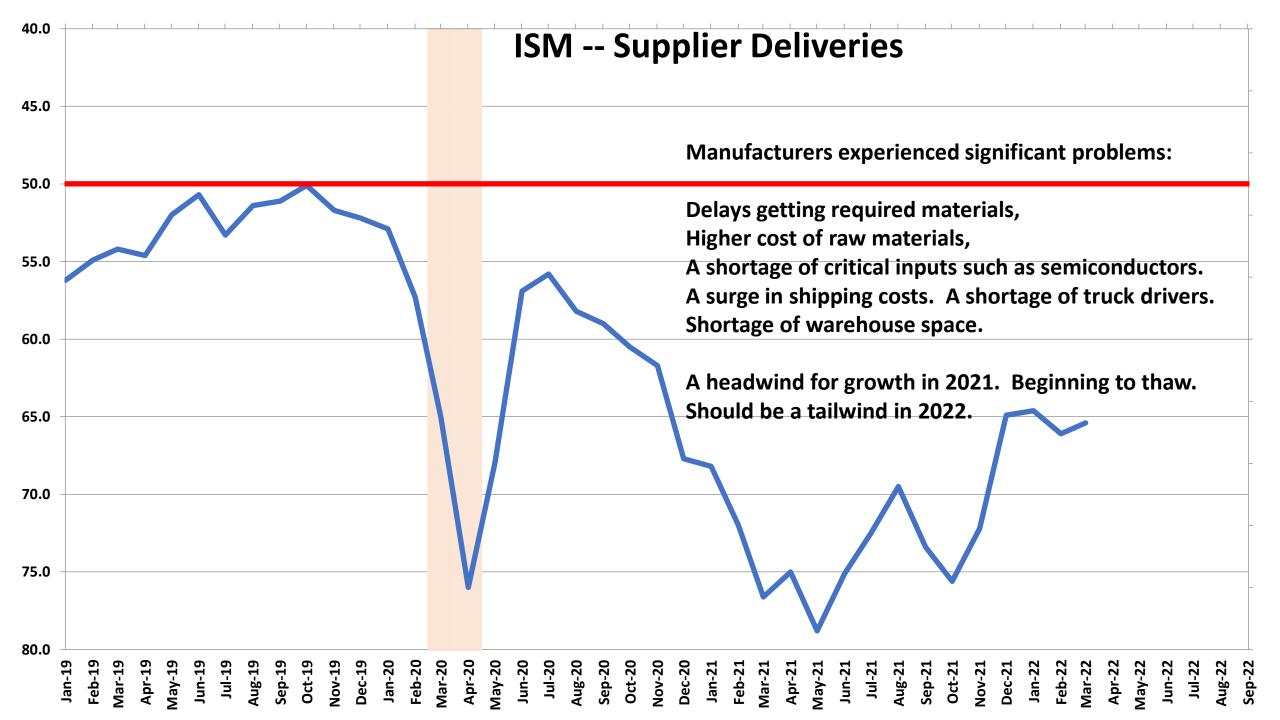
The production sector is improving slowly.

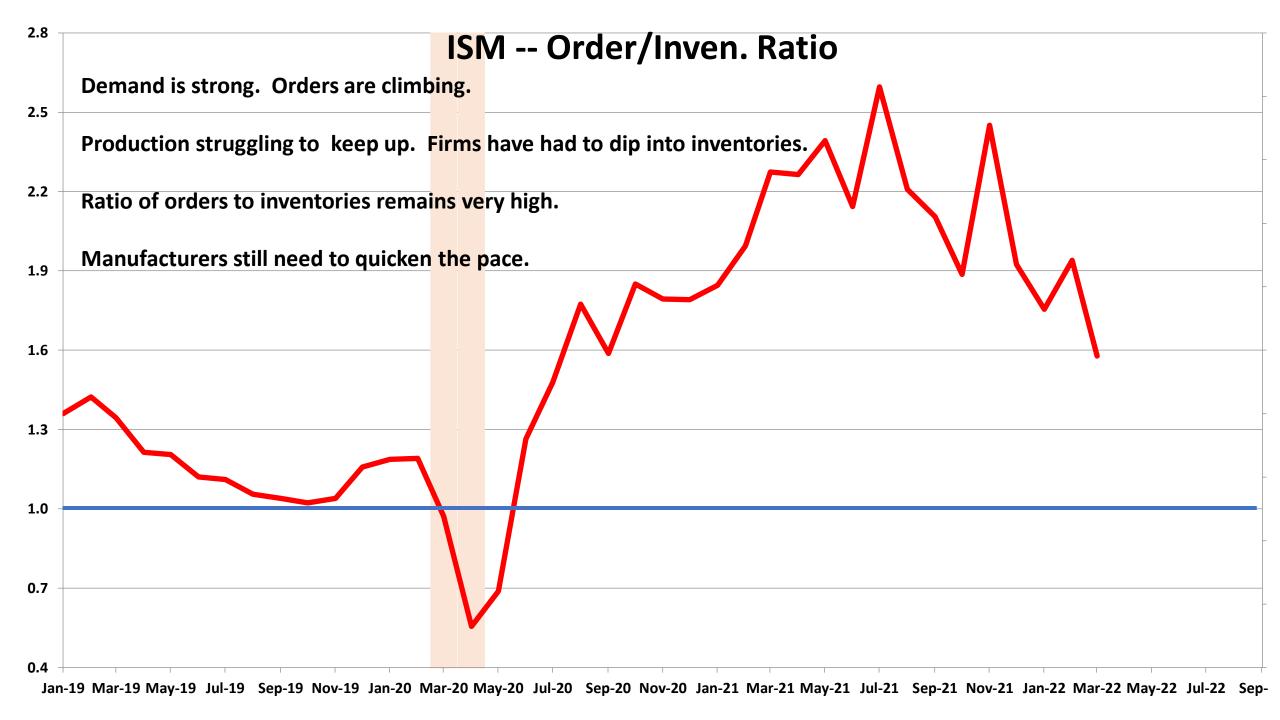




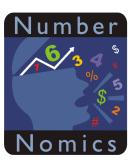
Manufacturing.





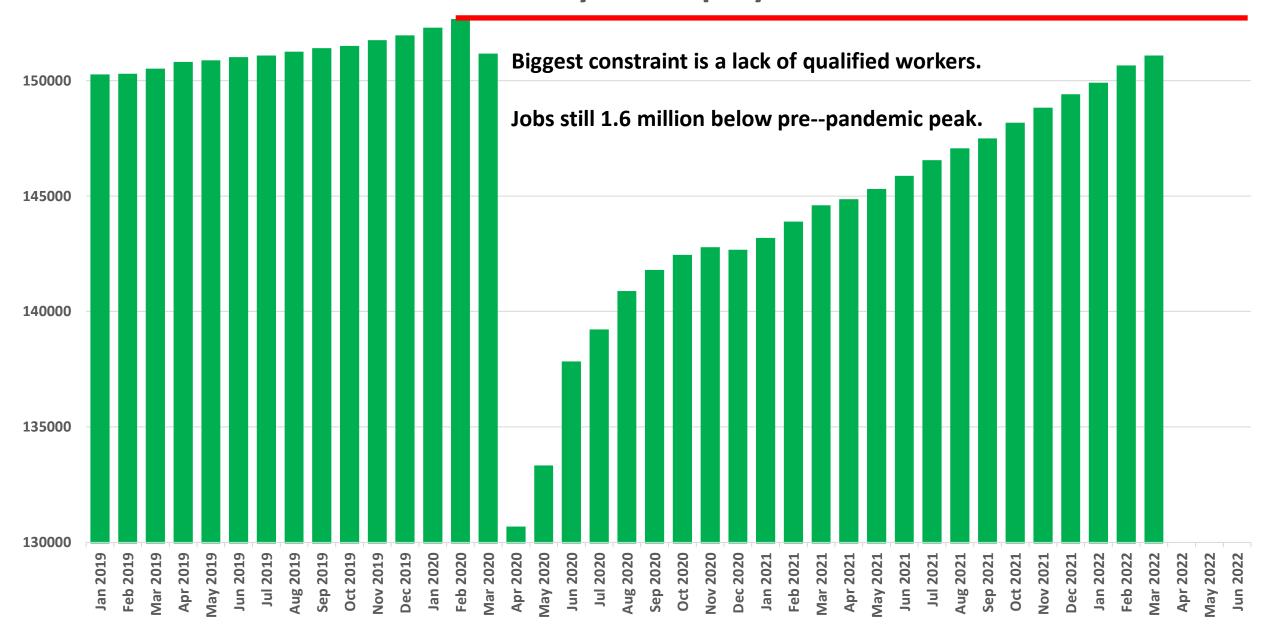


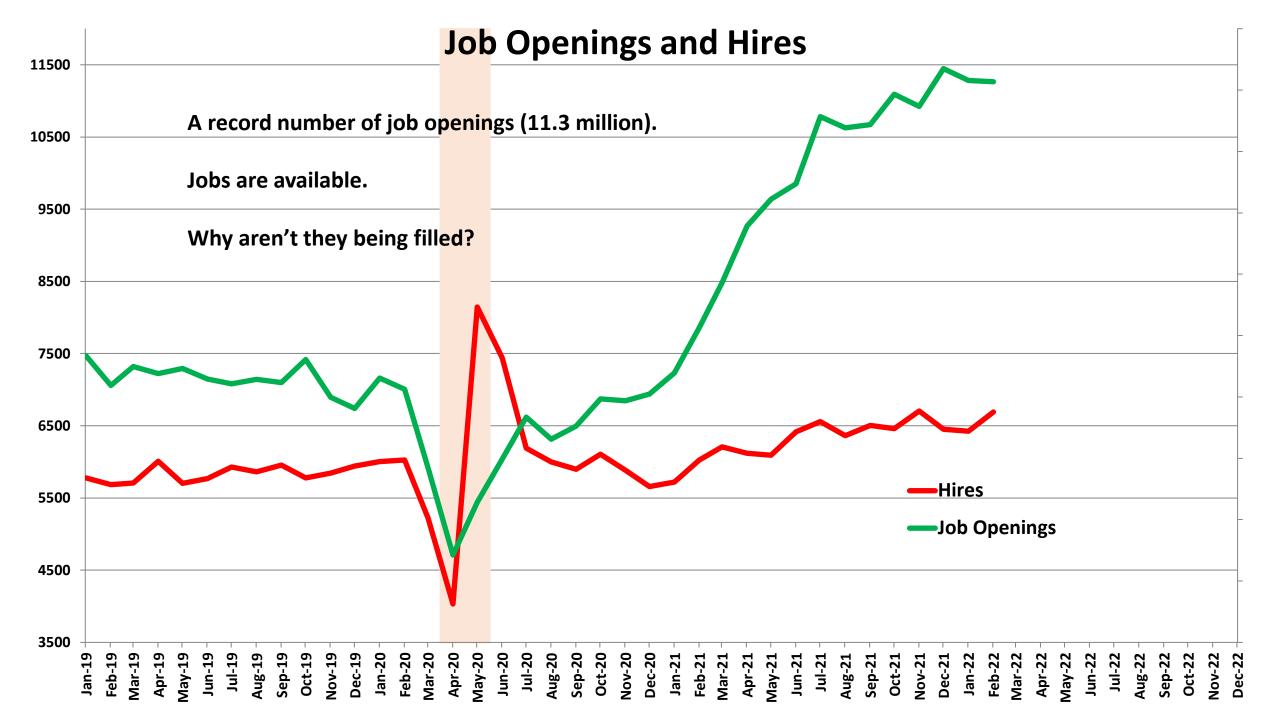


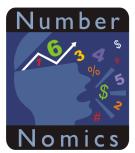


Labor Market.

Payroll Employment



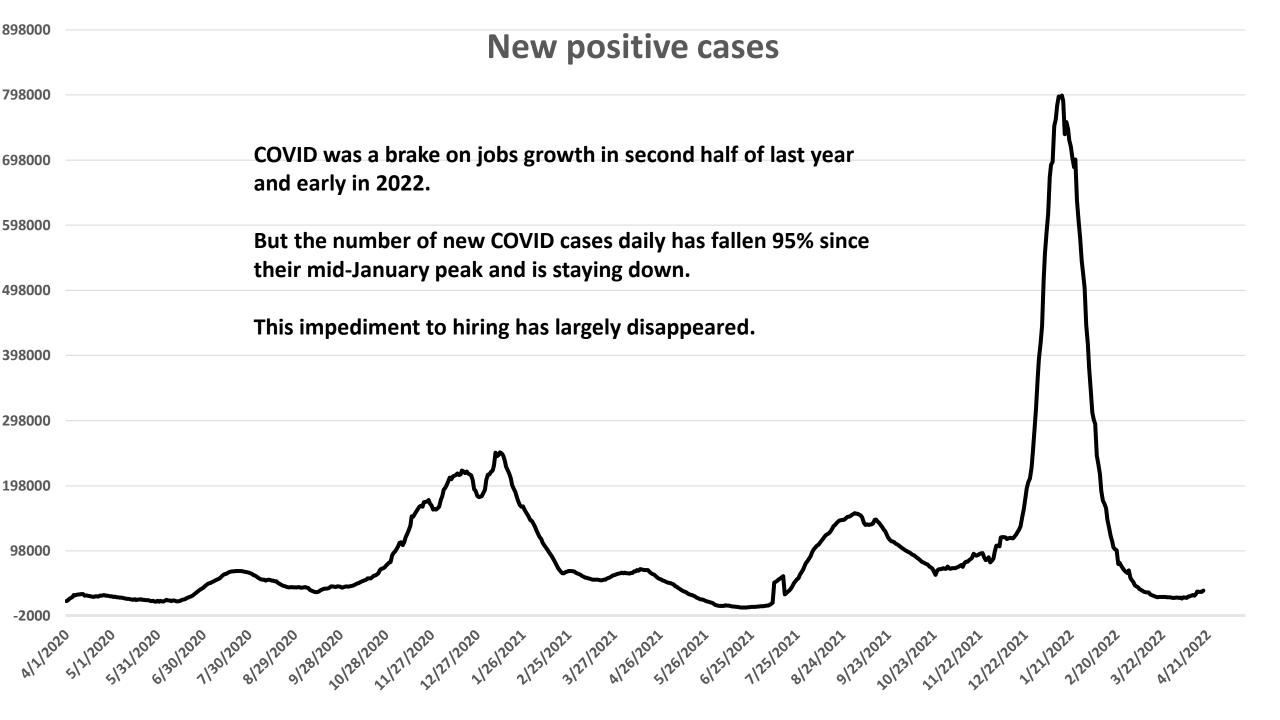


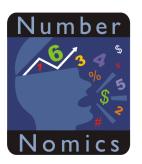


Where have the 1.6 million missing workers gone?

- 1. 1.0 million retired. Rising stock market and home prices.
- 2. Some became self-employed.

 Tired of lousy pay, long hours, bad working conditions.
- 3. Many may return to work as the year progresses.

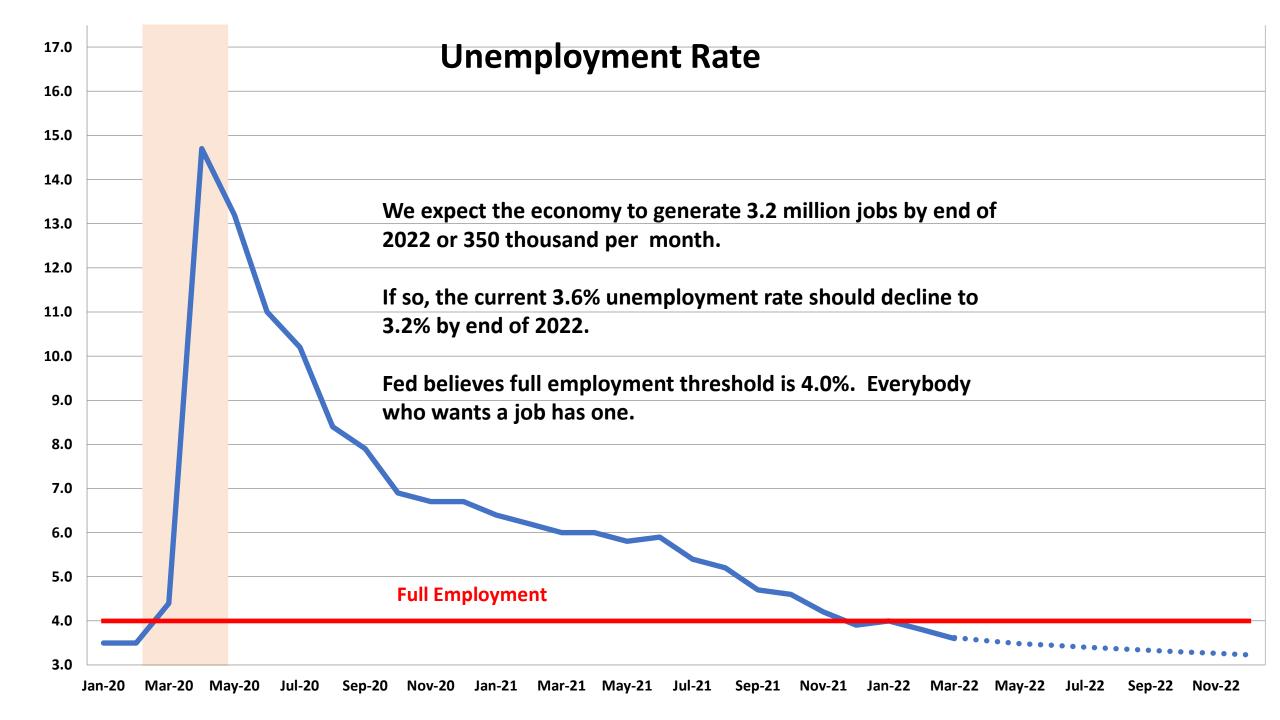


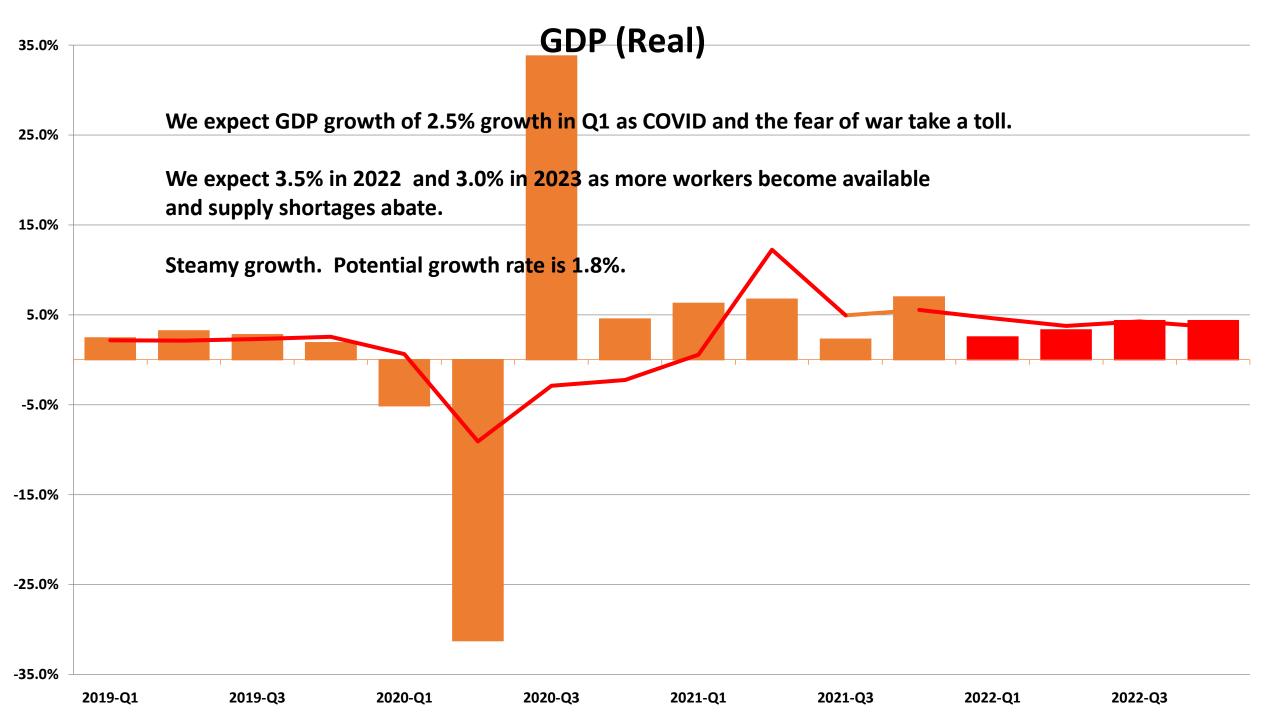


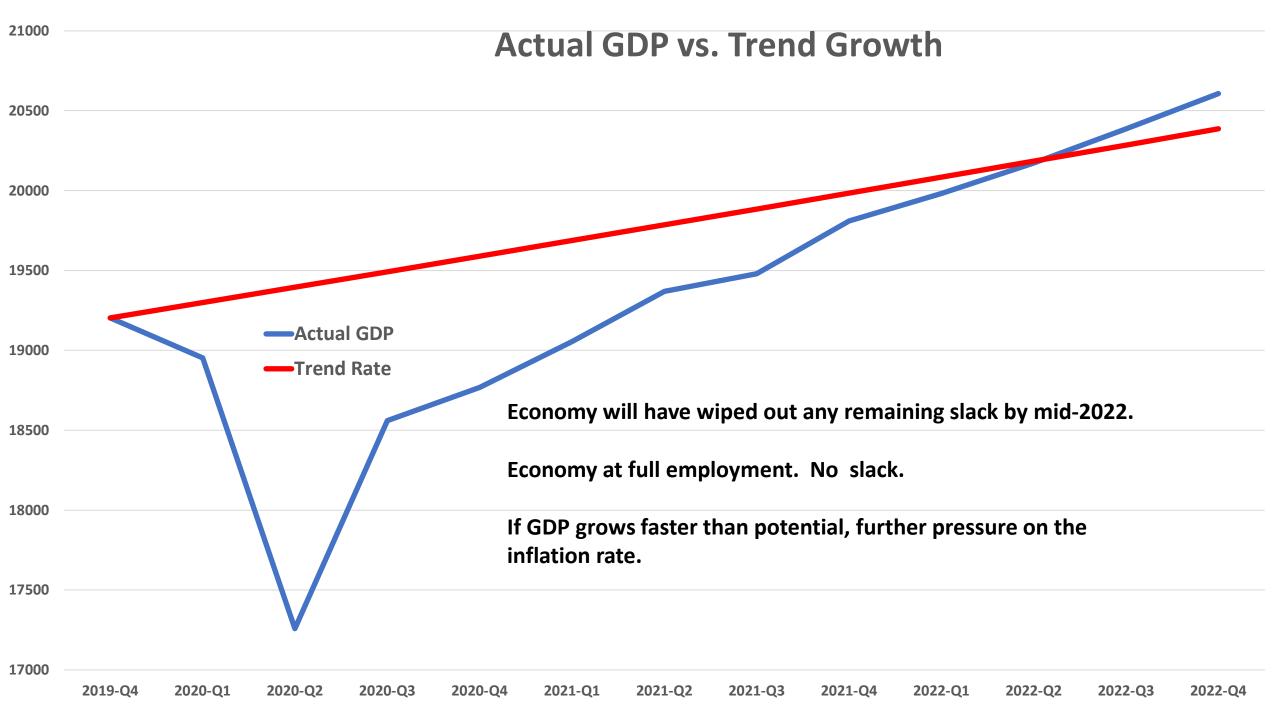
If COVID remains in check consumer spending will climb.

People will again feel safe going to restaurants and bars Travel on airlines
Stay in hotels
Go to museums
Go to sporting events.

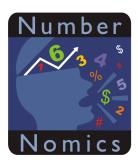
As those industries grow, a need to hire more workers.





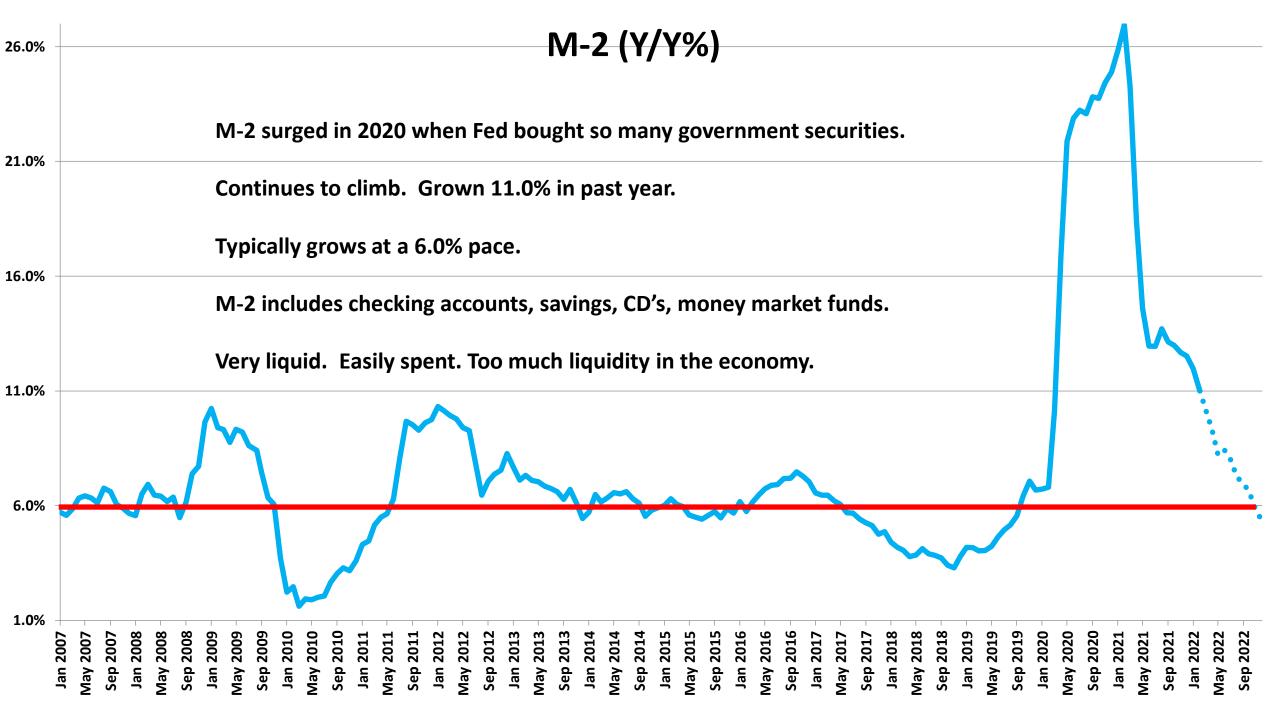


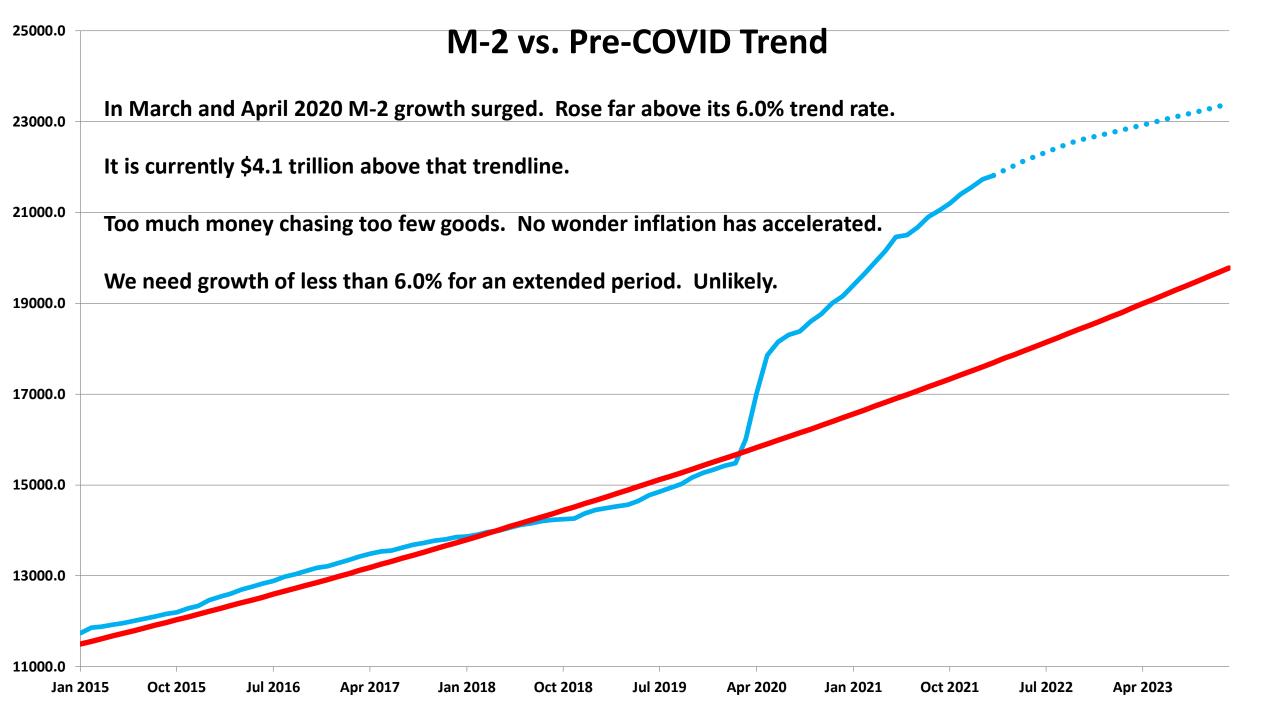


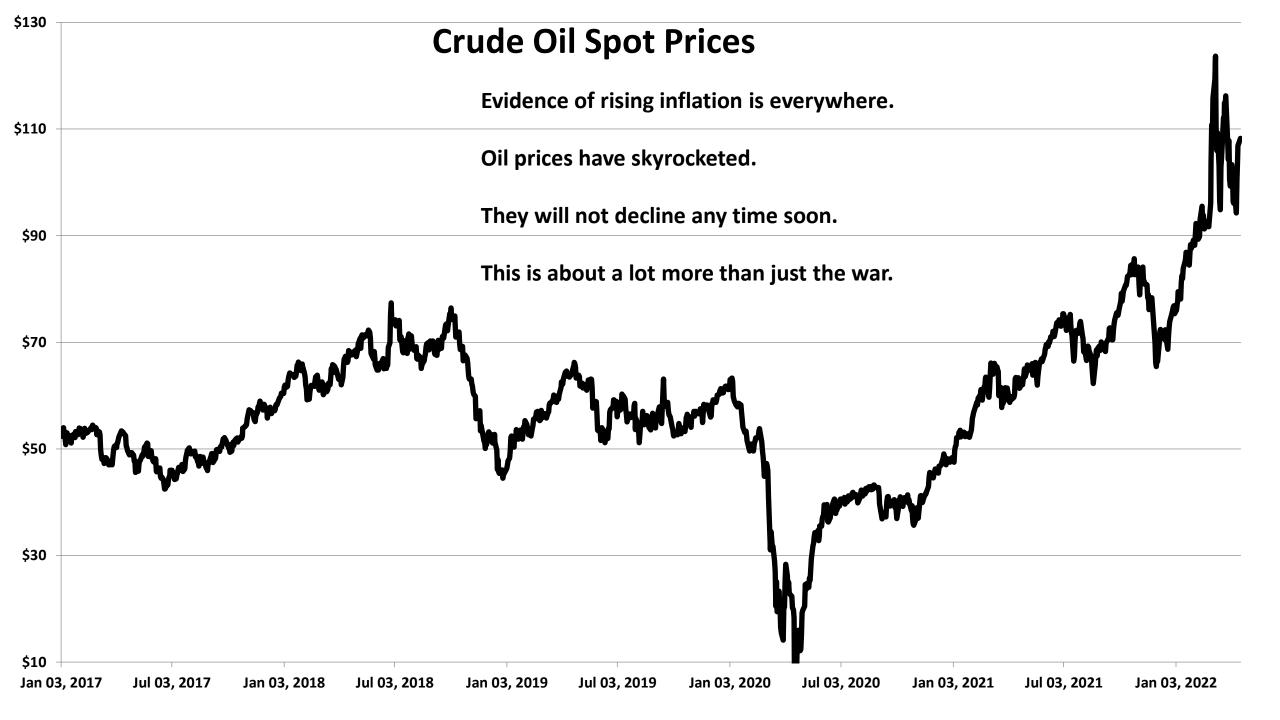


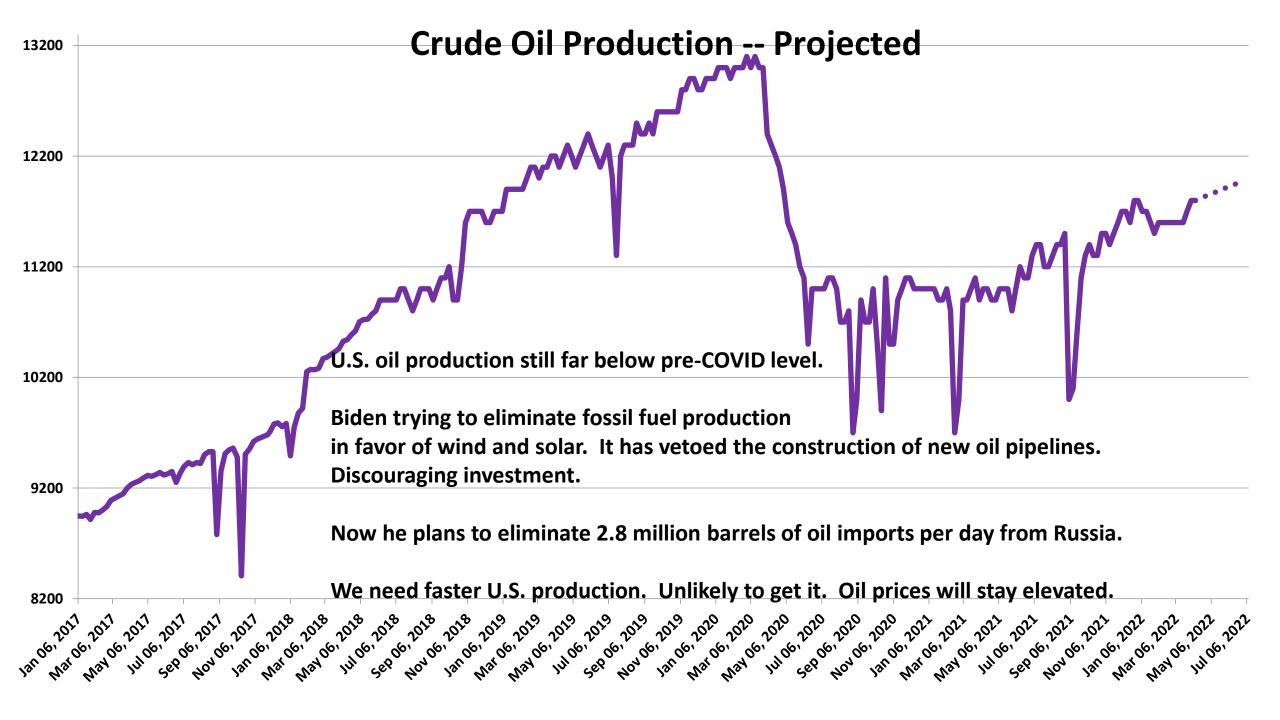
Inflation

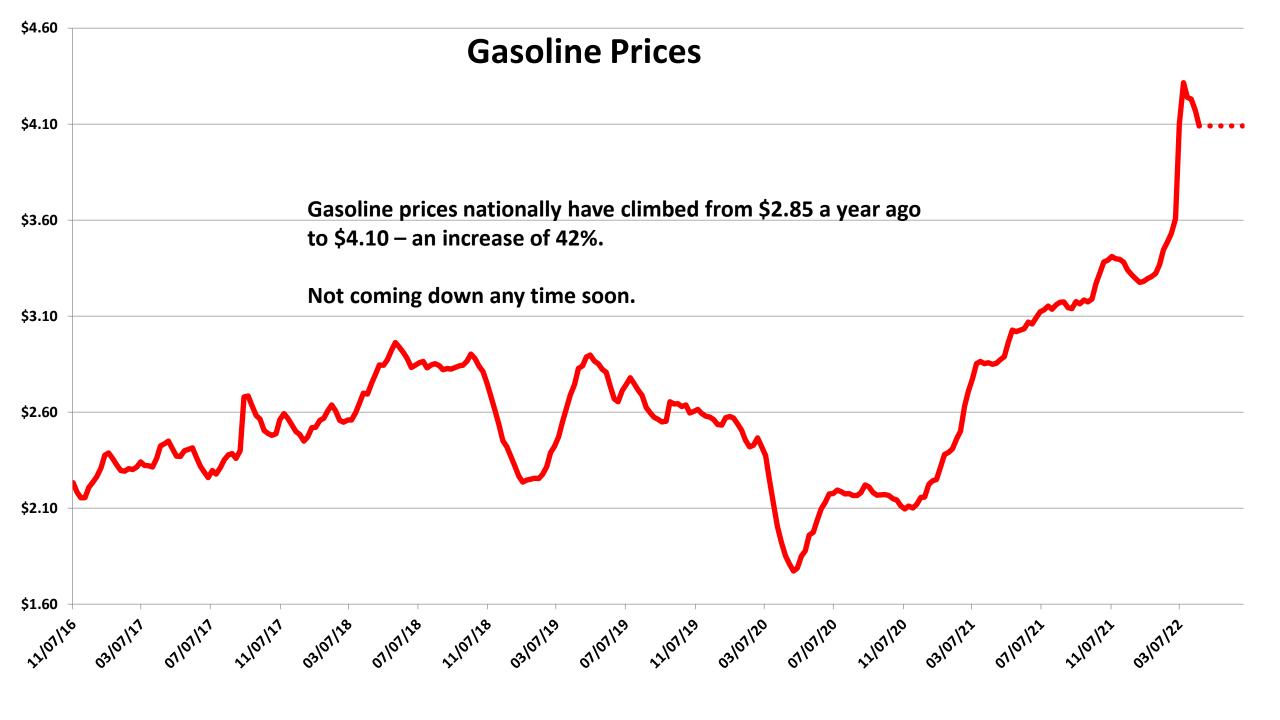
It will continue to grow rapidly.

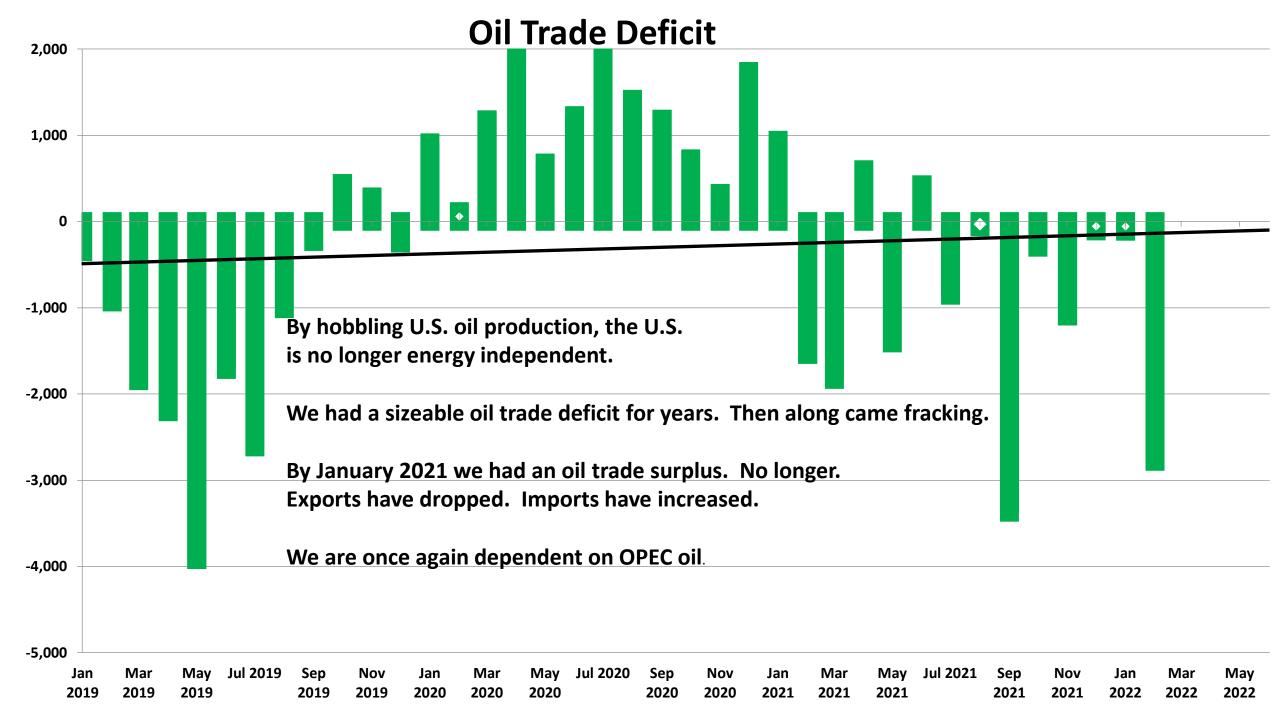


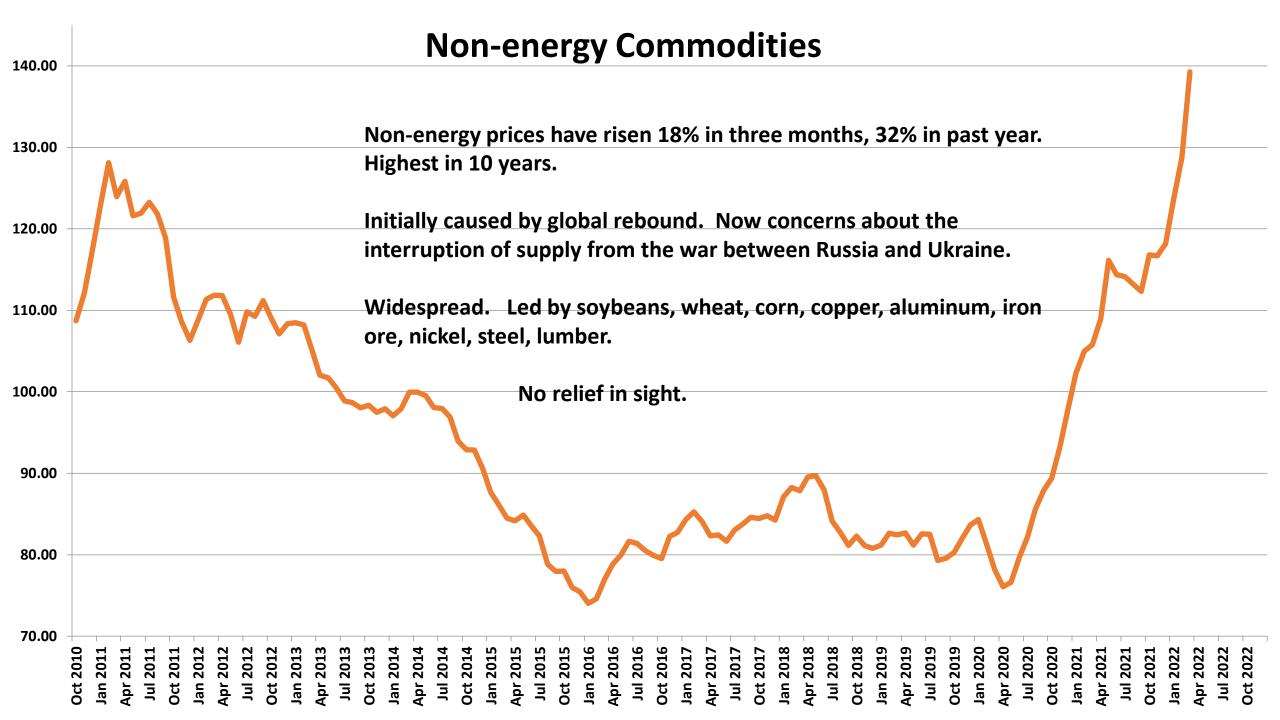


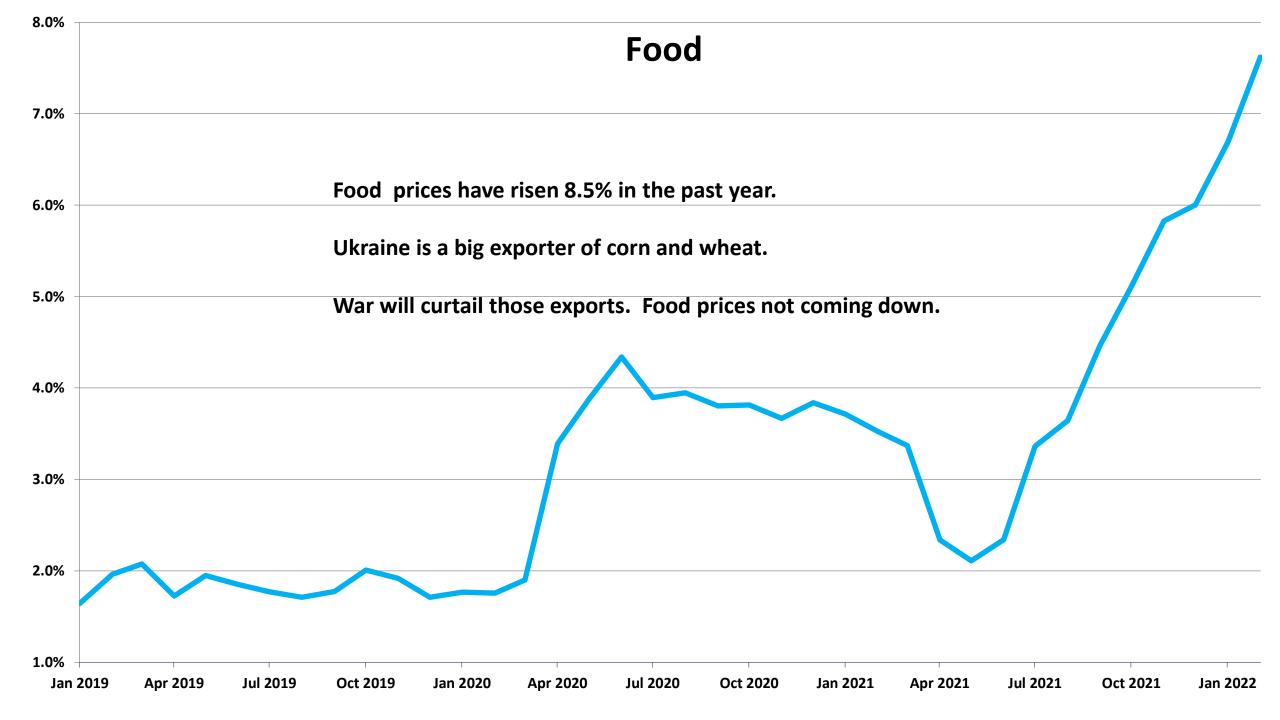


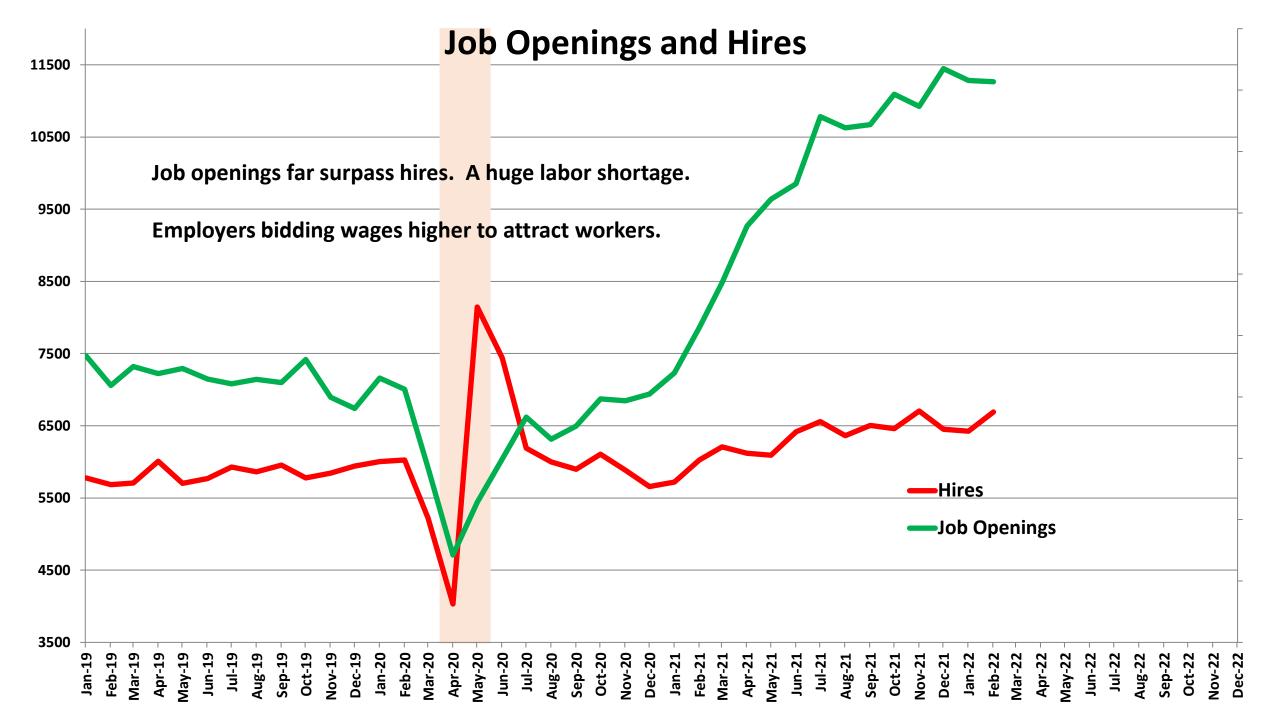


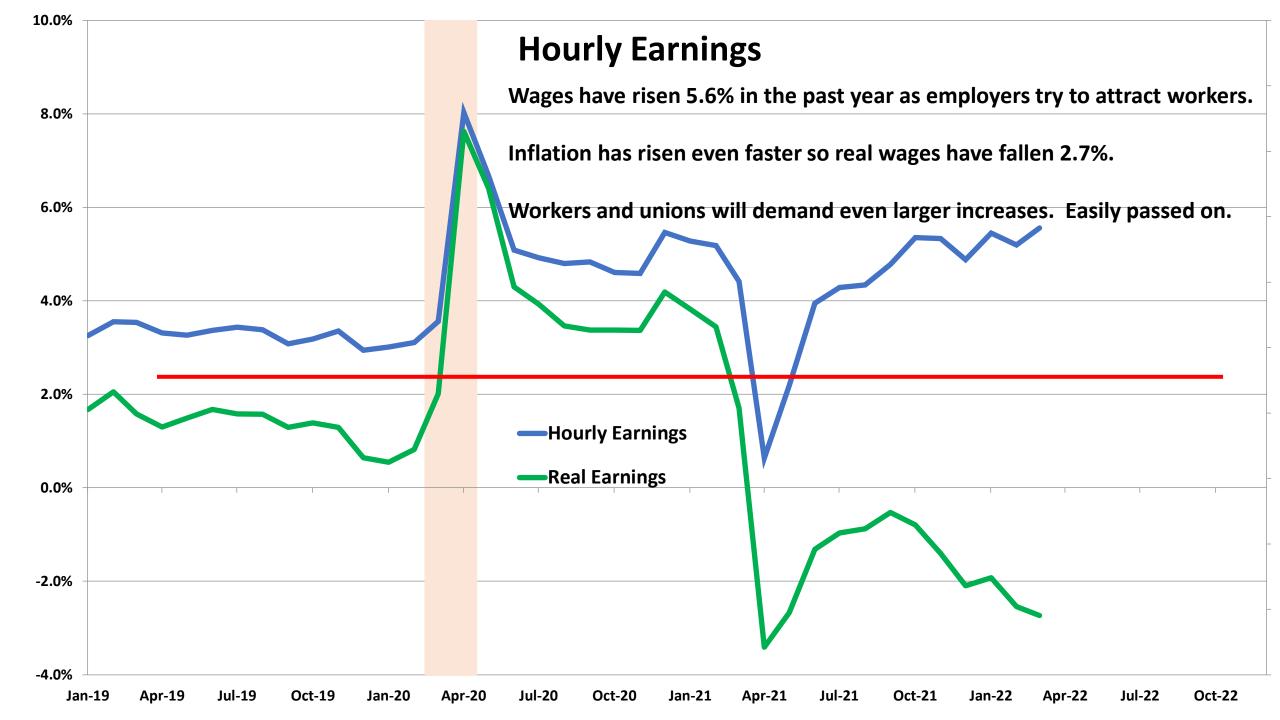


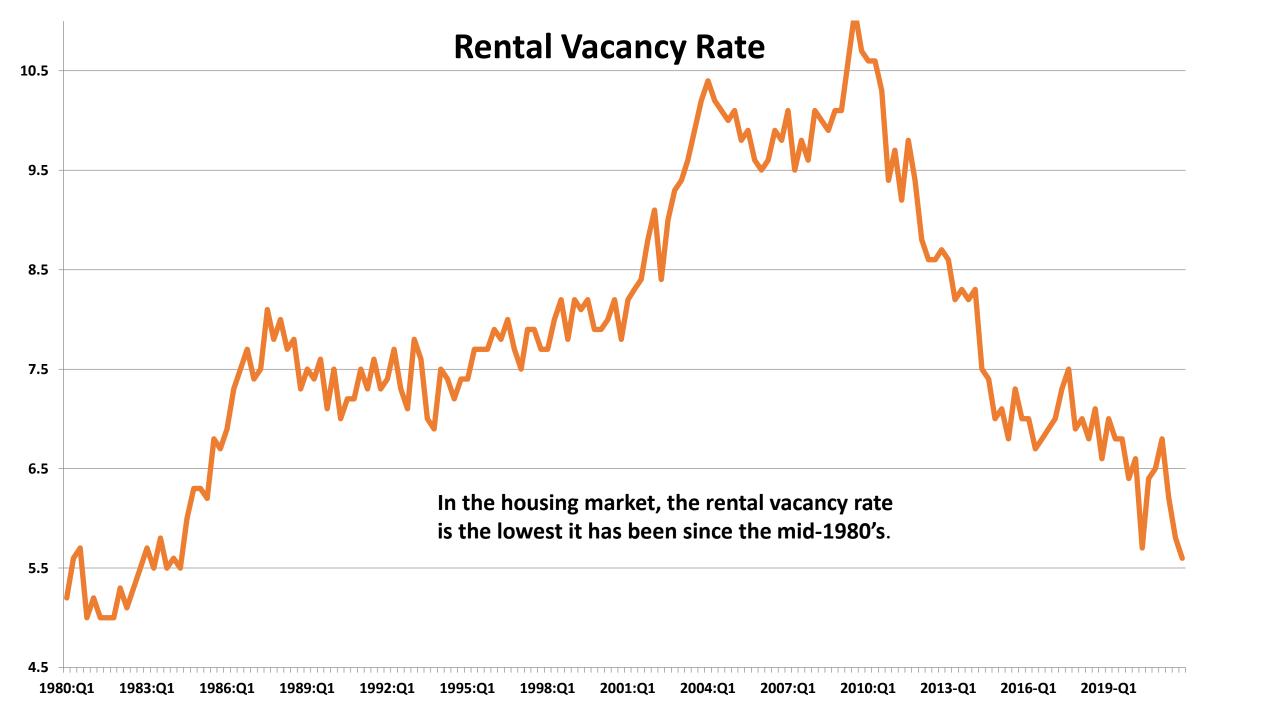


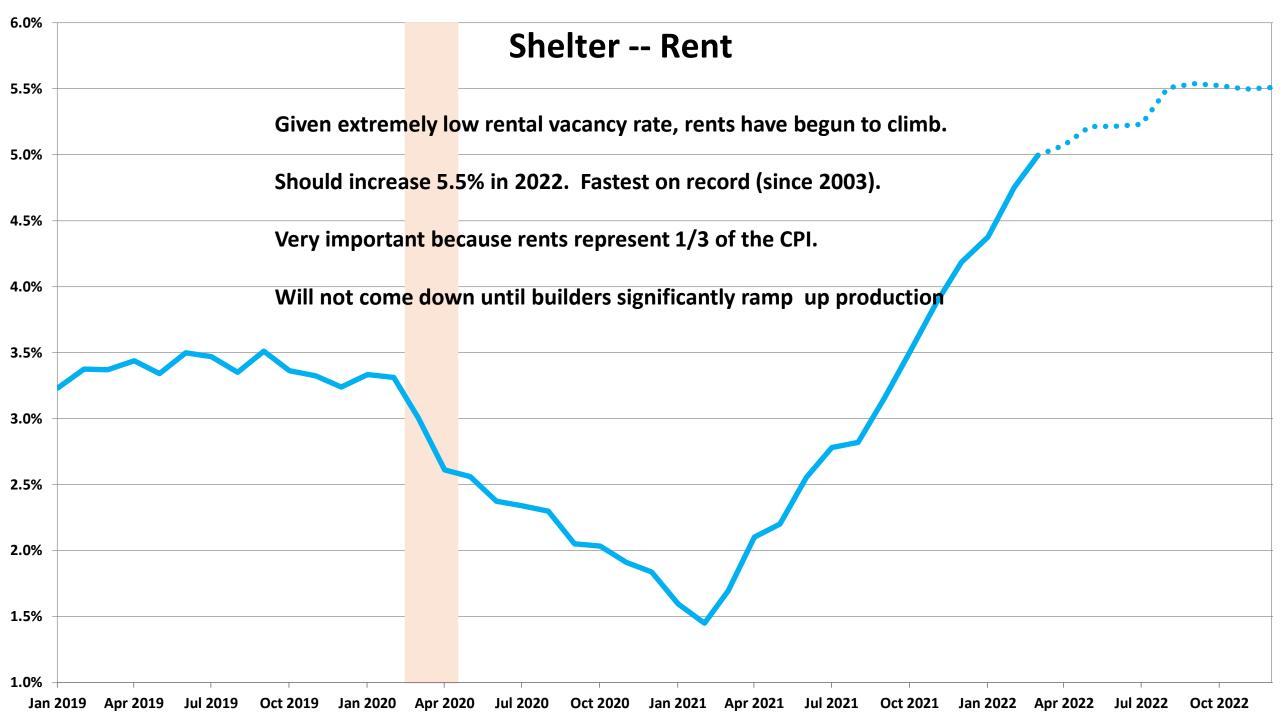


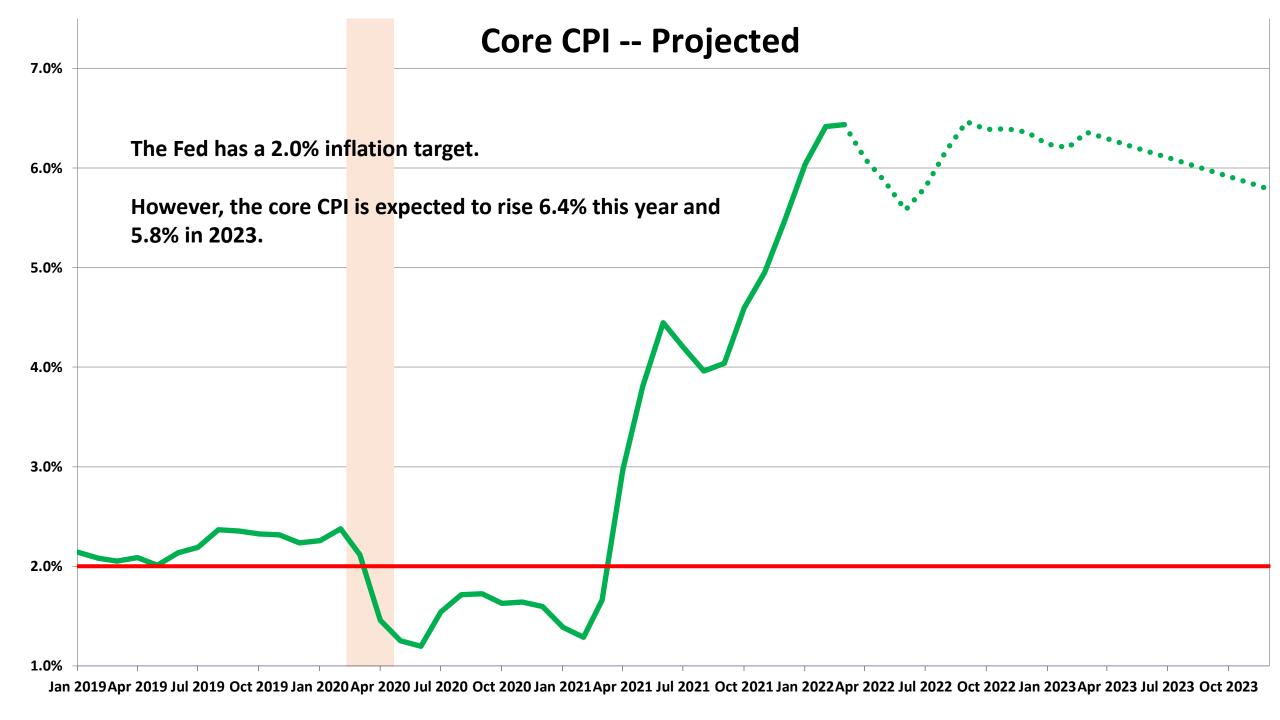


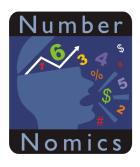




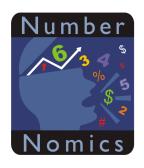






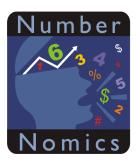


How will the Fed respond to this?

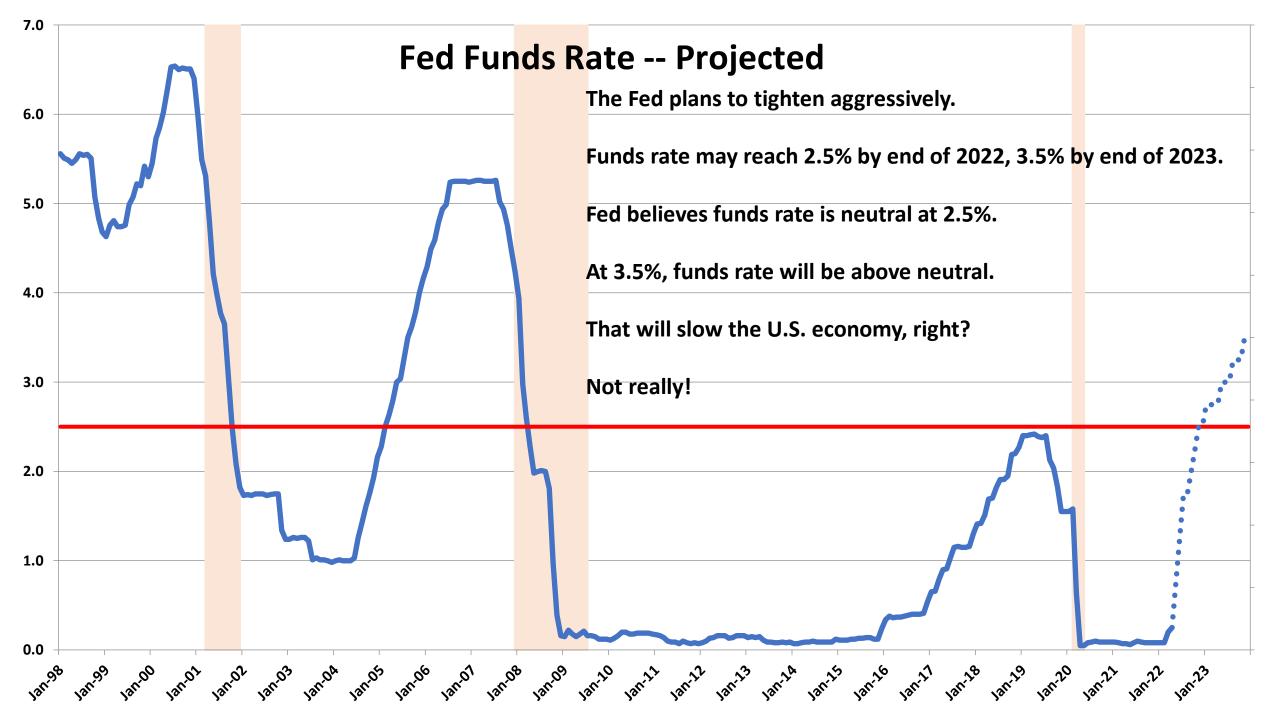


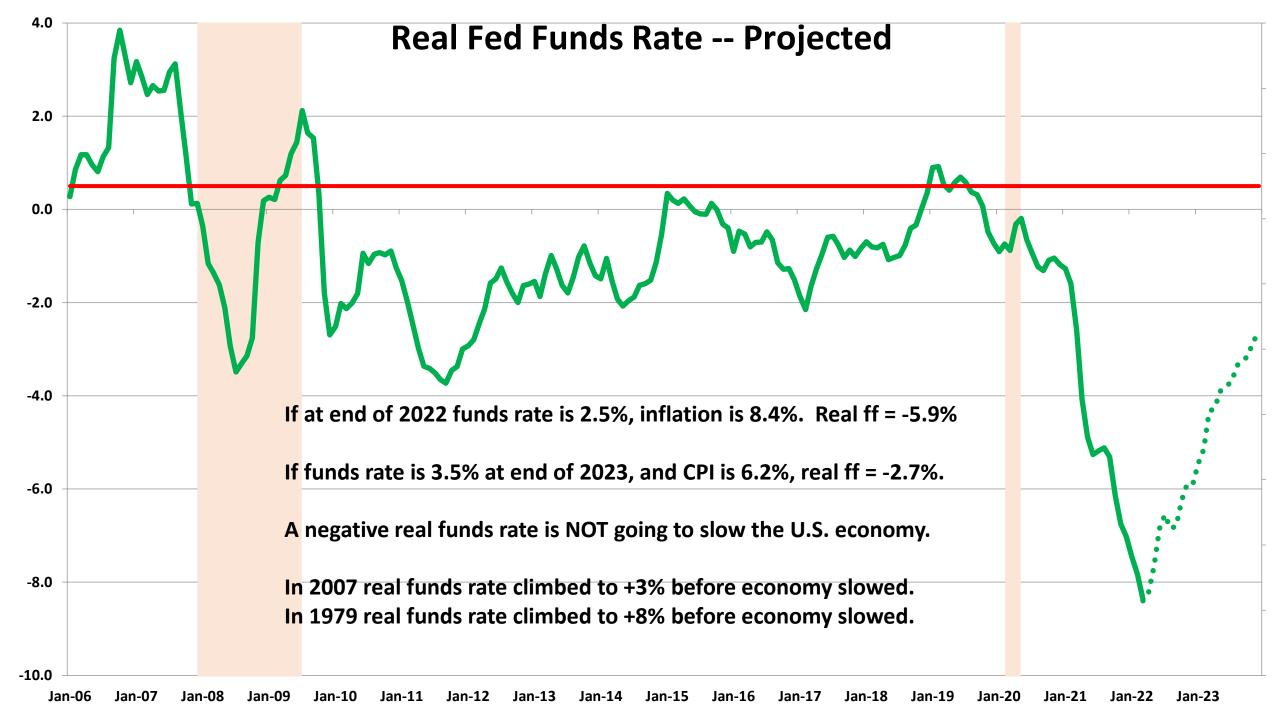
The Fed plans to use two tools

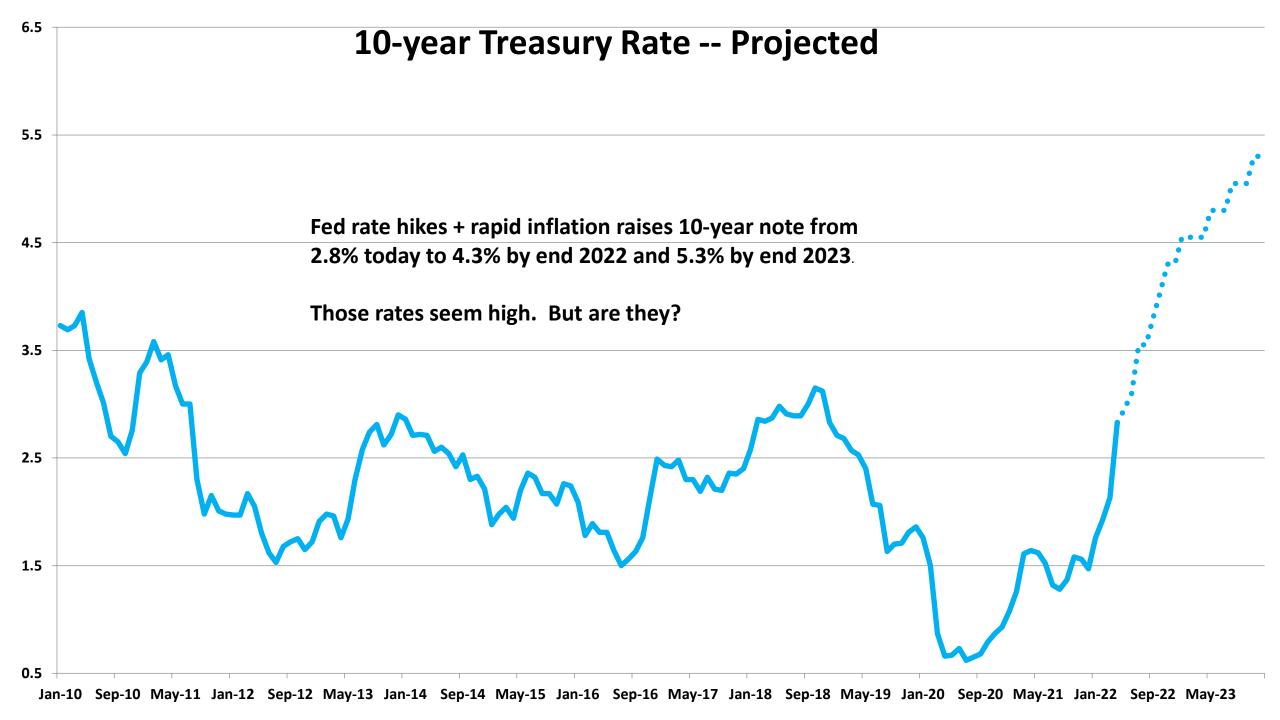
- 1. Raise the fed funds rate.
- 2. Shrink its balance sheet.

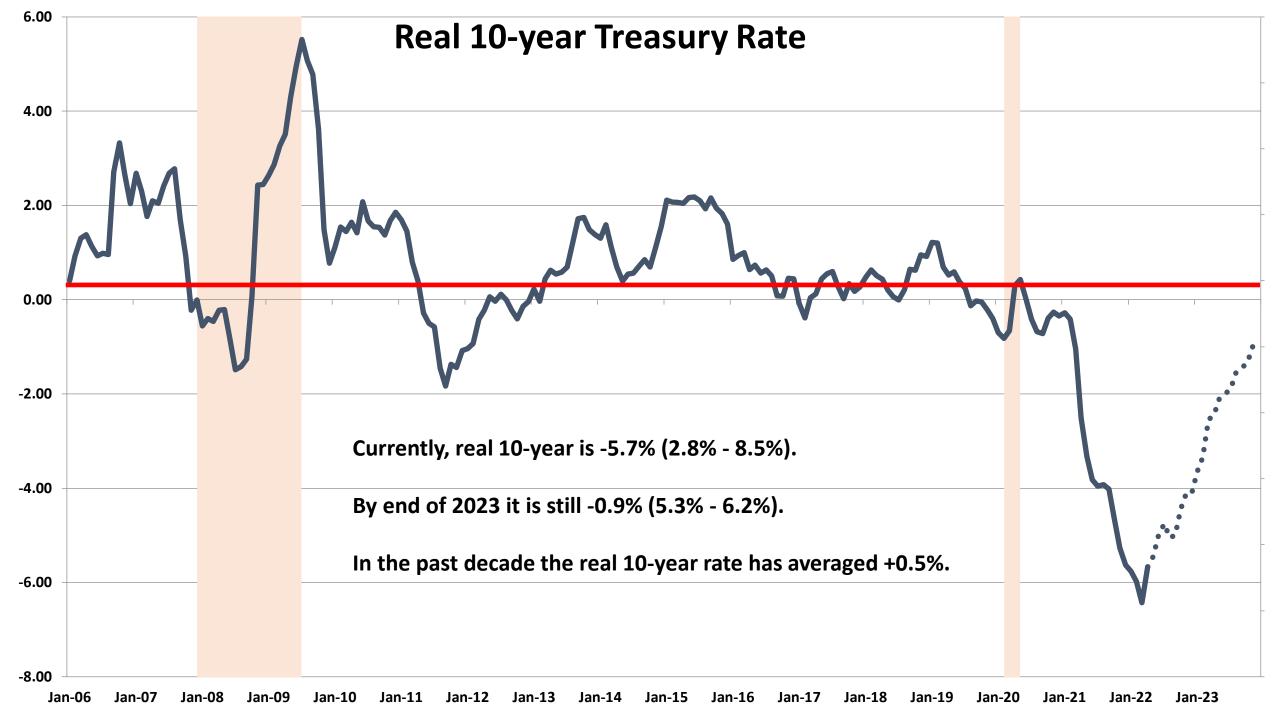


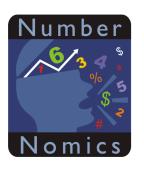
1. Change the funds rate







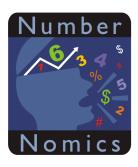




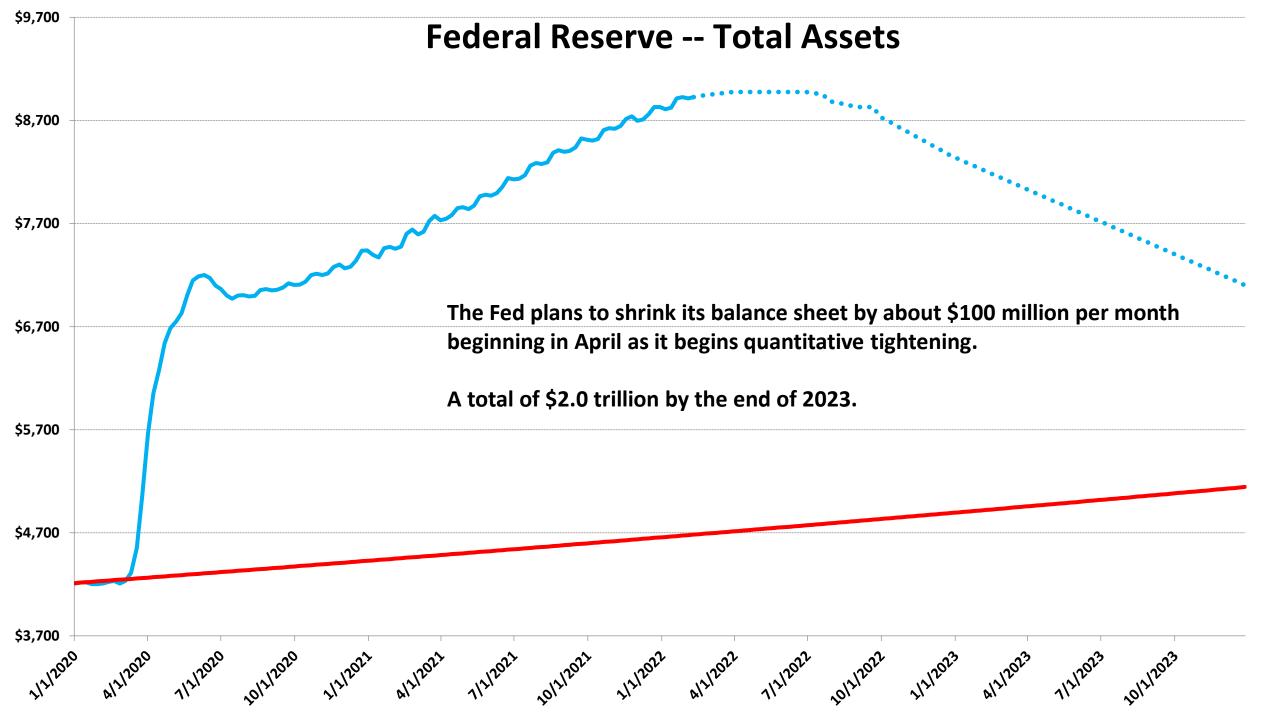
Real rates at end of 2023

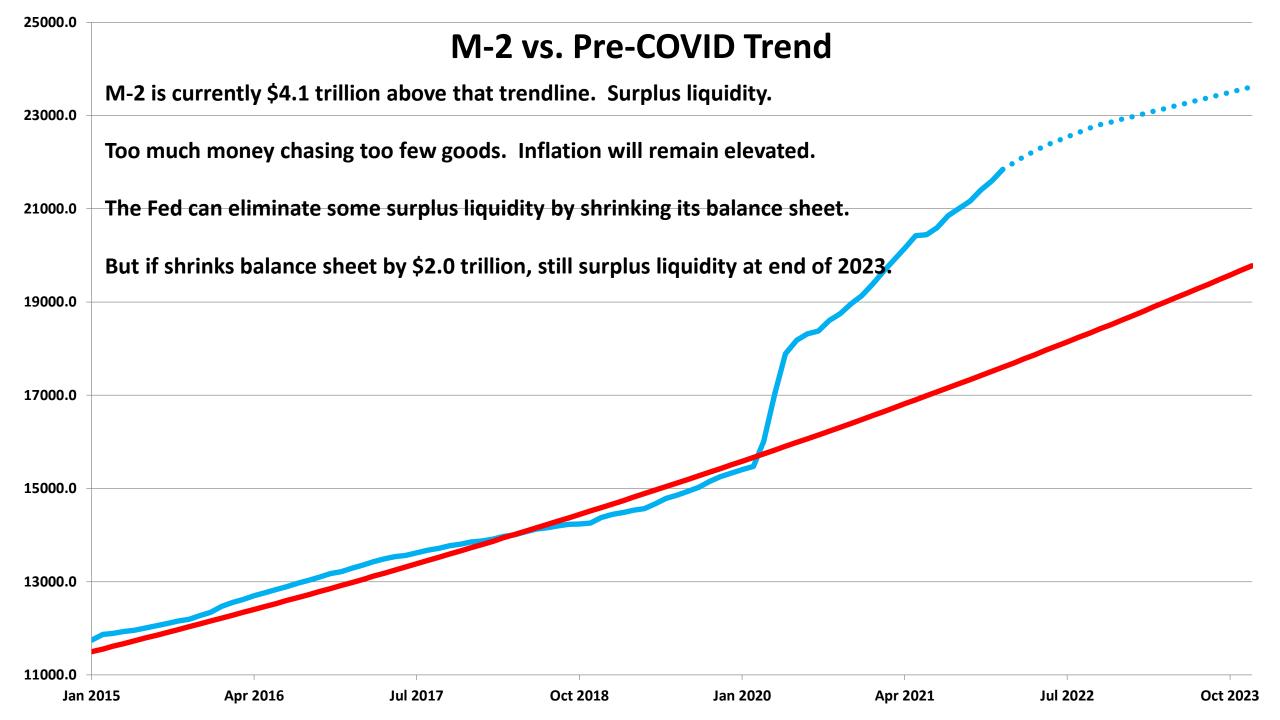
	Nominal rate	<u>Inflation</u>	Real rate	
Funds rate	3.5%	6.2%	-2.7%	
10-year note	5.3%	6.2%	-0.9%	

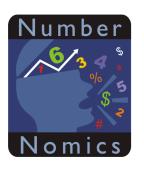
Will not slow the economy with negative real rates.



2. Shrink its balance sheet



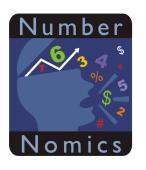




The combo of rate hikes plus quantitative tightening will not dump the economy into recession.

Real rates still negative at end of 2023.

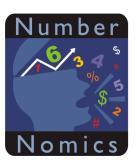
Still surplus liquidity at yearend 2023.



Forecasts - 2022/2023

	2021	2022	2023
GDP Growth	5.5%	3.5%	3.0%
Unemployment Rate	3.9%	3.2%	3.1%
Core CPI	5.5%	6.4%	5.8%
Fed Funds Rate	0.0%	2.5%	3.5%
10-Year Note	1.5%	4.3%	5.3%
30-Year Mortgage Rate	3.1%	6.0%	6.8%





Rate Hikes – Too Little, Too Late

Stephen D. Slifer
NumberNomics
www.numbernomics.com