
Consensus Outlook

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Federal Reserve Bank of

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The views expressed in this presentation are my own and do not necessarily reflect those of the Federal Reserve Bank of Chicago or the Federal Reserve System.

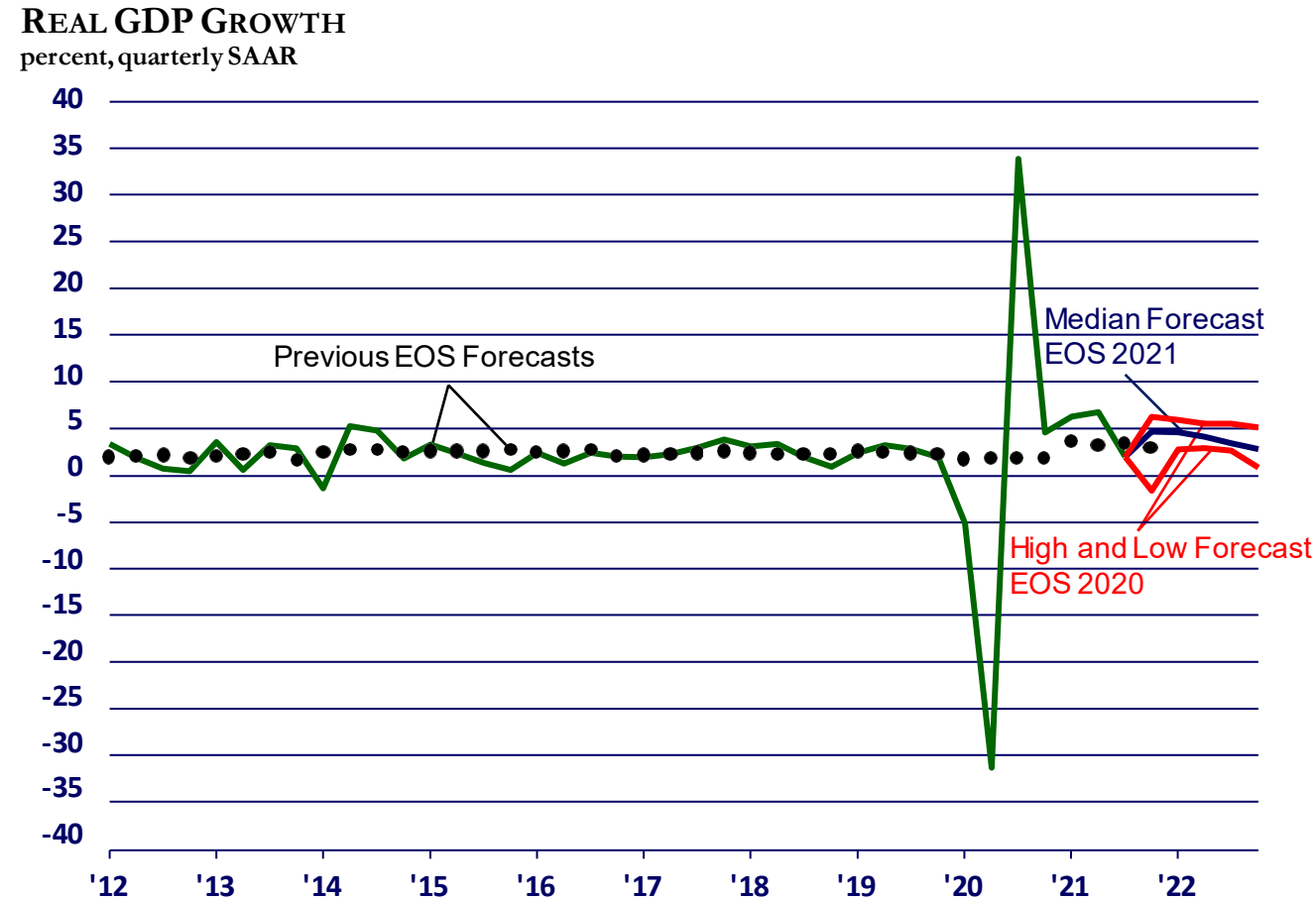
Results from the 2020 EOS forecast competition

- Real GDP growth higher than any expected.
- Inflation higher than any expected.

Overall	Bill Witte—Witte Econometrics/FTR
GDP, current dollars	Thomas L Guthrie—FM Fincorp
GDP price index, chain-type	Thomas L Guthrie—FM Fincorp
Real GDP, chained dollars	Yingzi Su—General Motors
Personal consumption expenditures	Yingzi Su—General Motors
Business fixed investment	Bill Witte—Witte Econometrics/FTR
Residential investment	Thomas L Guthrie—FM Fincorp
Change in private inventories	Nick Janet—State Farm
Net exports	R. Andrew Butters—Indiana University, Kelley School of Business
Government consumption expenditures and gross investment	Carl Tannenbaum—Northern Trust
Industrial production	Rajeev Dhawan—Georgia State University
Car & light truck sales	Matthew Mardis—State Farm
Housing starts	Eric Hale—Trader Oasis
Oil Price	Nick Janet—State Farm
Unemployment rate	Eric Hale—Trader Oasis
Inflation rate (CPI)	Nick Janet—State Farm
Treasury constant maturity one-year rate	Rajeev Dhawan—Georgia State University
Treasury constant maturity ten-year rate	Yingzi Su—General Motors
J.P. Morgan broad nominal effective exchange rate	Vignesh Swarnam—1st Year Student at U of Michigan-Ann Arbor

Note: Forecasts are for Q3/2020 to Q3/2021.

Strong growth expected again next year

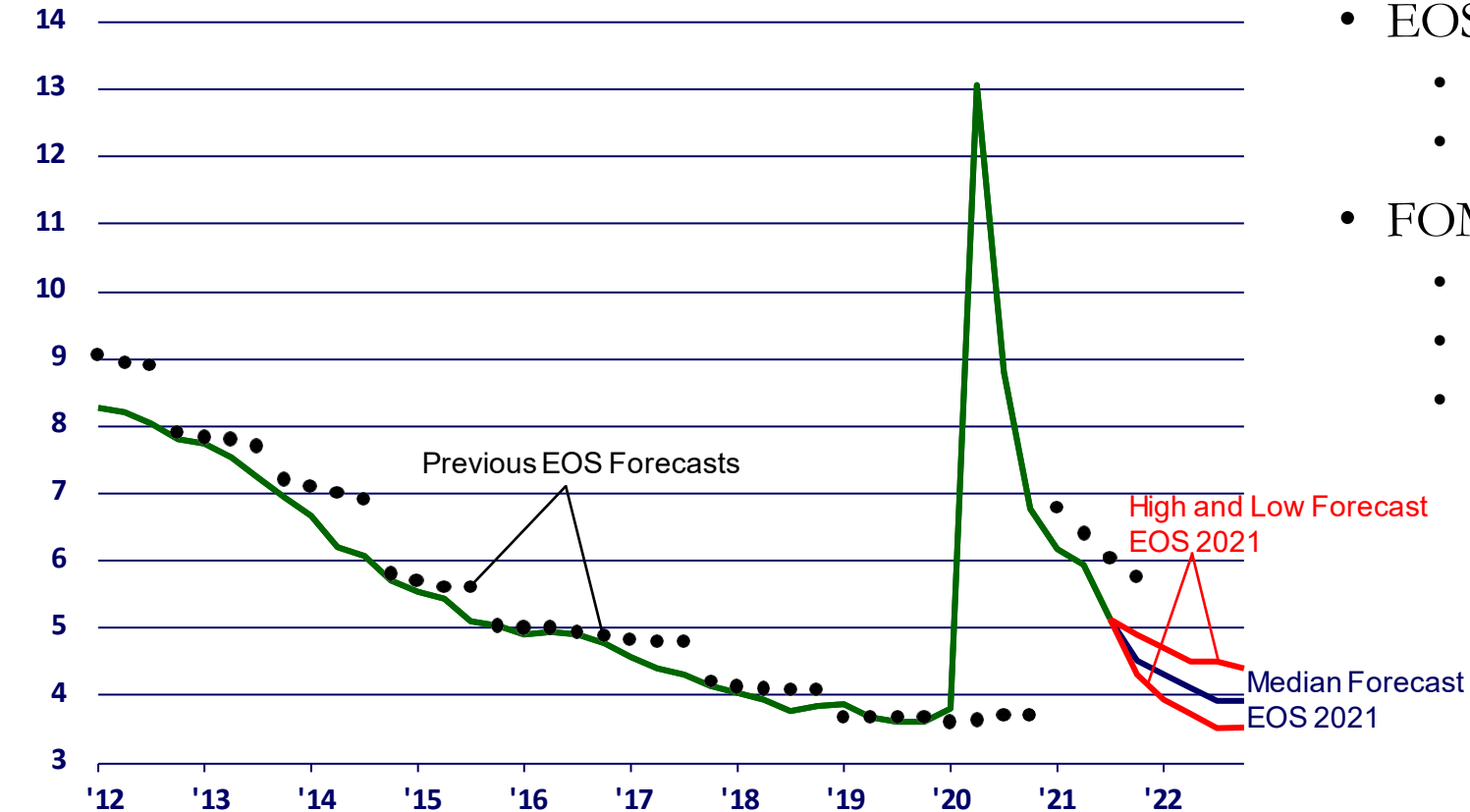


Note: The forecast range excludes the two highest and lowest forecasts.

- EOS Medians
 - Q4/2020 to Q4/2021: +4.9
 - Q4/2021 to Q4/2022: +3.7
- FOMC Medians as of 9/2021
 - Q4/2020 to Q4/2021: +5.9
 - Q4/2021 to Q4/2022: +3.8
 - Longer run: +1.8

Unemployment rate expected to be quite low by end of next year

UNEMPLOYMENT RATE
percent



- EOS Median
 - Q4/2021: 4.5
 - Q4/2022: 3.9
- FOMC Medians as of 9/2021
 - Q4/2021: 4.8
 - Q4/2022: 3.8
 - Longer run: 4.0

Note: The forecast range excludes the two highest and lowest forecasts.

Full median forecast results

	2020	2021	2022
GDP, current dollars*	-1.0%	10.1%	5.8%
GDP price index, chain-type*	1.5%	5.1%	3.0%
Real GDP, chained dollars*	-2.3%	4.9%	3.7%
Personal consumption expenditures*	-2.4%	7.3%	2.9%
Business fixed investment*	-3.8%	7.2%	5.0%
Residential investment*	15.7%	-1.7%	3.0%
Change in private inventories (billions of constant dollars)**	\$88.8	-\$33.8	\$67.0
Net exports of goods and services (billions of constant dollars)**	-\$1,132.8	-\$1,325.3	-\$1,298.1
Government consumption expenditures and gross investment*	1.2%	1.0%	2.5%
Industrial production*	-4.3%	4.3%	3.4%
Car & light truck sales (millions - calendar year including imports)***	14.5	15.1	15.5
Housing starts (millions)***	1.40	1.58	1.59
Oil price (dollars per barrel of West Texas Intermediate)**	\$42.51	\$81.39	\$72.69
Unemployment rate**	6.8%	4.5%	3.9%
Inflation rate (consumer price index)*	1.2%	6.1%	3.1%
Treasury constant maturity one-year rate**	0.12%	0.13%	0.59%
Treasury constant maturity ten-year rate**	0.86%	1.57%	2.05%
J.P. Morgan trade weighted OECD dollar*	-2.2%	0.7%	2.6%

*Q4 over Q4

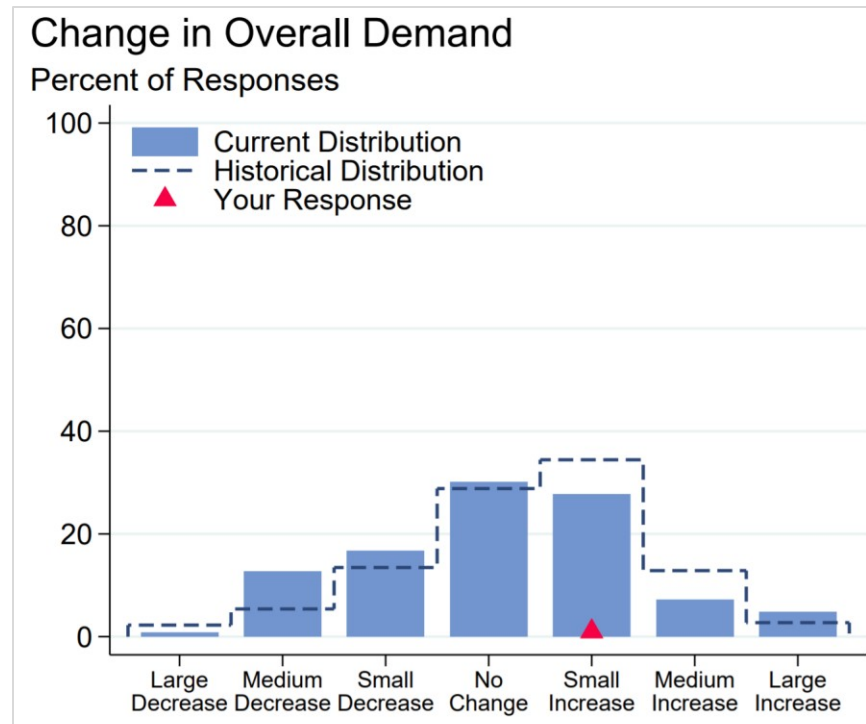
**Q4 value

***Yearly average

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