

Consensus Outlook for 2023

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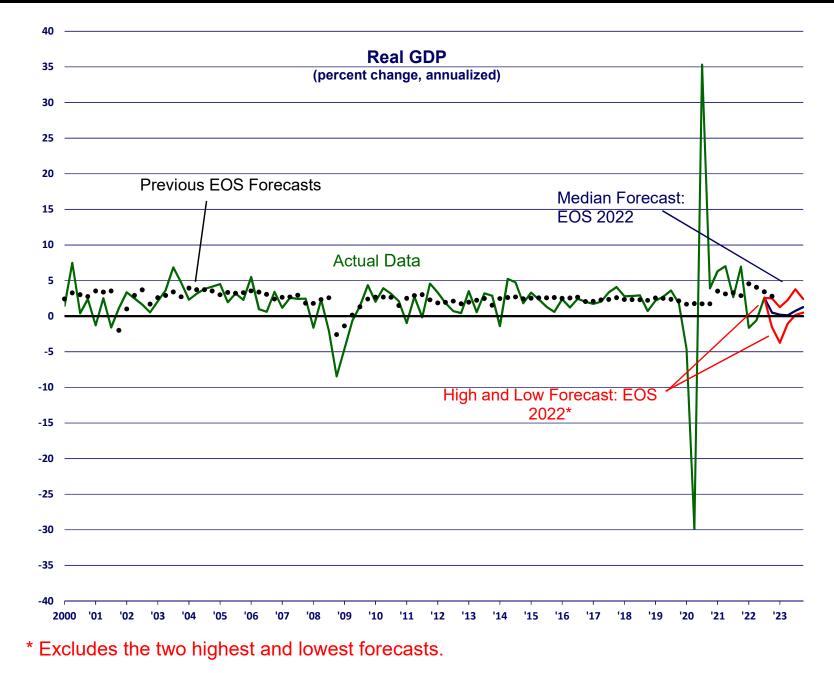
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Q3/2021 Forecast Winners

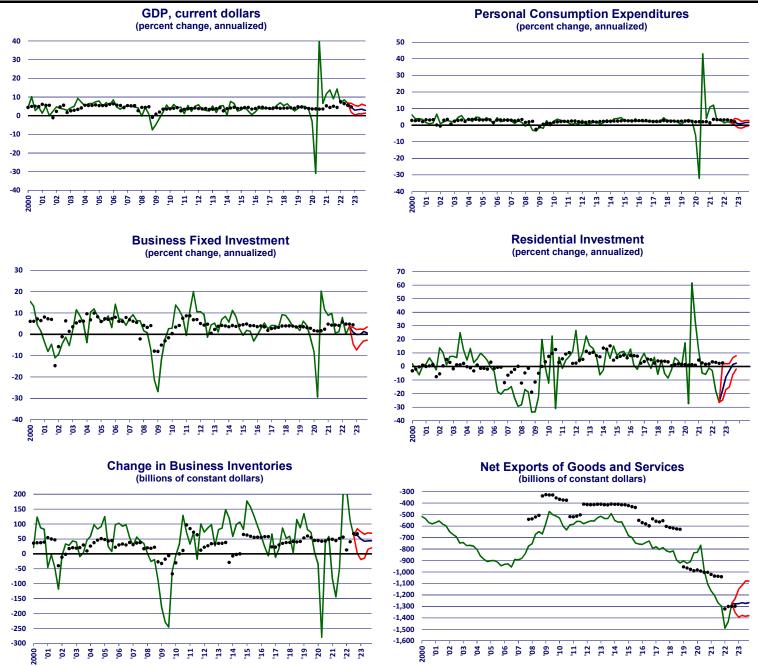
Overall	Tom Portz - Sterling Capital Management, Inc.	
GDP, current dollars	Bill Rapp	
GDP price index, chain-type	Eric Hale - Trader Oasis	
Real GDP, chained dollars	Tom Portz - Sterling Capital Management, Inc.	
Personal consumption expenditures	Carl Tannenbaum and Ryan James Boyle - Northern Trust	t
Business fixed investment	Ronald Pankau - JH Best and Sons	
Residential investment	Rajeev Dhawan - Georgia State University	
Change in private inventories	Eric Hale - Trader Oasis	
Net exports	Jack Kleinhenz - National Retail Federation	
Government consumption expenditures and gross investment	Bill Witte - Witte Econometrics/FTR	
Industrial production	Diane Swonk - Grant Thornton LLP	
Car & light truck sales	Matthew Kodis - Iowa Economic Development Authority	
Housing starts	Maira Trimble and Jordan Vickers - Eaton	
Oil Price	Todd Tomalak - John Burns Real Estate Consulting	
Unemployment rate	Diane Swonk - Grant Thornton LLP	Mark Zhang - Navistar
Inflation rate (CPI)	Todd Tomalak - John Burns Real Estate Consulting	
Treasury constant maturity one-year rate	Tom Guthrie - FM Fincorp	
Treasury constant maturity ten-year rate	Tom Guthrie - FM Fincorp	
J.P. Morgan broad nominal effective exchange rate	Todd Tomalak - John Burns Real Estate Consulting	

Contributors

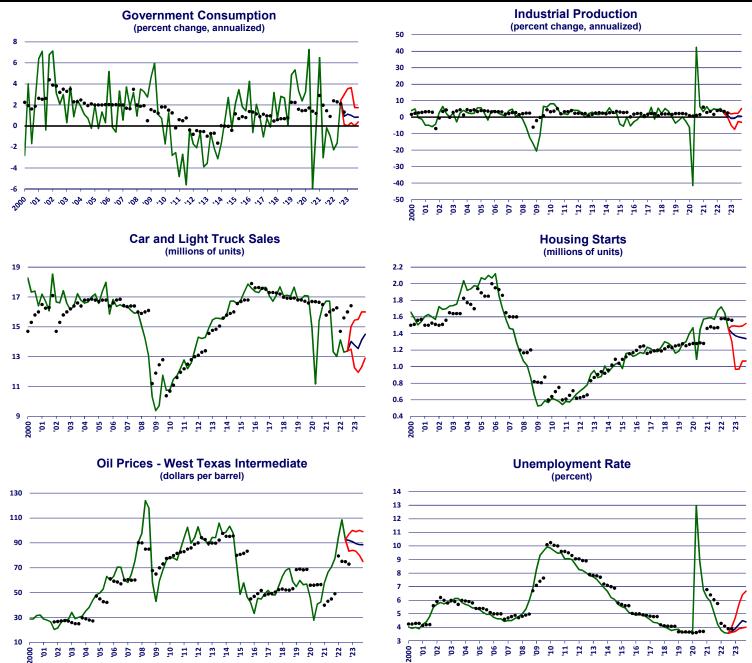
Thad Bartosz	Aurora Circuits, Inc.
Peter Bernstein	RCF Economic and Financial Consulting
Carl Tannenbaum and Ryan Boyle	Northern Trust
Rajeev Dhawan	Georgia State University
Tom Guthrie	FM Fincorp
Nick Janet	State Farm
Matthew Kodis	Iowa Economic Development Authority
Monalisa Kulkarni	State Farm
Dave Lauer	Bureau of Labor Statistics
William V Rapp	Center For Bubble Research Inc
Matías Scaglione	Motio
Brian Schwadron	U. S. Steel
Romina Soria	Wisconsin Department of Revenue
Jonathan Starks	FTR
Yingzi Su	GM
Vignesh Swarnam	University of Michigan
Todd Tomalak	Zonda
Bill Witte	Witte Econometrics/FTR
Mark Zhang	Navistar













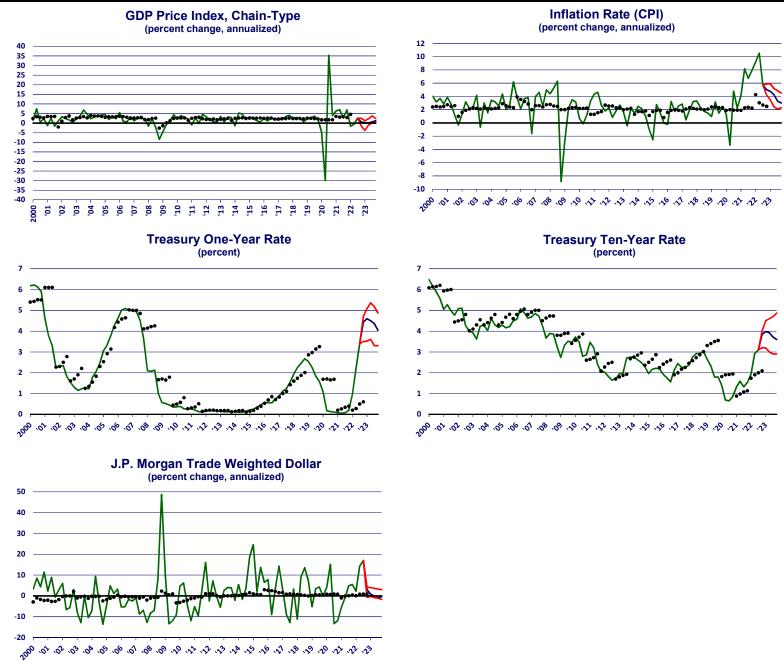


Table 1 - Median Forecast of GDP and Related Items

	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
GDP, current dollars*	12.2%	6.6%	3.0%	6.7%	4.5%	2.9%	3.3%	3.5%	2.8%
GDP price index, chain-type*	6.1%	6.4%	3.2%	6.2%	4.5%	4.2%	3.2%	3.0%	2.5%
Real GDP, chained dollars*	5.7%	0.2%	0.6%	2.7%	0.5%	0.2%	0.1%	0.7%	1.3%
Personal consumption expenditures*	7.2%	1.6%	1.0%	3.0%	1.7%	0.9%	1.0%	1.6%	1.7%
Business fixed investment*	5.0%	3.1%	0.4%	0.6%	1.0%	-0.1%	0.0%	1.3%	0.6%
Residential investment*	-0.3%	-16.5%	-1.5%	-5.8%	-17.2%	-7.6%	-3.0%	1.5%	2.4%
Change in private inventories (billions of constant dollars)**	\$197.6	\$62.3	\$44.0	-\$48.6	\$62.3	\$49.5	\$42.1	\$43.5	\$44.0
Net exports of goods and services (billions of constant dollars)**	-\$1,297.6	-\$1,277.8	-\$1,266.8	-\$1,267.5	-\$1,277.8	-\$1,275.0	-\$1,267.6	-\$1,273.7	-\$1,266.8
Government consumption expenditures and gross investment*	0.5%	-0.2%	1.0%	-0.2%	0.9%	1.1%	1.0%	0.8%	0.9%
Industrial production*	4.5%	3.3%	-0.1%	3.4%	1.1%	-0.8%	-0.7%	0.8%	0.5%
Car & light truck sales (millions - calendar year including imports)***	14.9	13.9	14.6	13.3	14.0	13.8	13.5	14.1	14.5
Housing starts (millions)***	1.61	1.56	1.36	1.57	1.41	1.37	1.36	1.35	1.34
Oil price (dollars per barrel of West Texas Intermediate)**	\$77.44	\$92.00	\$88.50	\$70.56	\$92.00	\$91.04	\$89.40	\$88.63	\$88.50
Unemployment rate**	4.2%	3.7%	4.4%	5.1%	3.7%	3.9%	4.2%	4.5%	4.4%
Inflation rate (consumer price index)*	6.7%	7.6%	3.7%	6.7%	5.0%	4.8%	4.3%	3.3%	3.0%
Treasury constant maturity one-year rate**	0.20%	4.44%	4.04%	0.08%	4.44%	4.60%	4.50%	4.36%	4.04%
Treasury constant maturity ten-year rate**	1.54%	3.85%	3.60%	1.32%	3.85%	3.98%	3.93%	4.30 <i>%</i>	3.60%
J.P. Morgan trade weighted OECD dollar*	0.9%	11.4%	-1.9%	1.2%	3.0%	0.7%	0.0%	-1.0%	-0.4%

*Annual: Q4 over Q4 Quarterly: Quarter to Quarter change, annual rate

**Annuals are Q4 value

***Annuals are yearly average

Table 2 - Mean Forecast of GDP and Related Items

	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
GDP, current dollars*	12.2%	6.3%	2.7%	6.7%	3.5%	2.6%	2.4%	3.2%	2.7%
GDP price index, chain-type*	6.1%	6.5%	2.6%	6.2%	4.6%	4.1%	2.2%	2.3%	2.0%
Real GDP, chained dollars*	5.7%	0.3%	0.8%	2.7%	1.1%	-0.6%	1.2%	1.3%	1.6%
Personal consumption expenditures*	7.2%	1.8%	1.2%	3.0%	2.3%	1.2%	0.9%	1.4%	1.2%
Business fixed investment*	5.0%	2.9%	0.3%	0.6%	0.3%	-1.3%	-0.1%	1.2%	1.5%
Residential investment*	-0.3%	-15.1%	-1.9%	-5.8%	-9.8%	-7.4%	-3.6%	0.6%	3.5%
Change in private inventories (billions of constant dollars)**	\$197.6	\$52.2	\$45.7	-\$48.6	\$52.2	\$35.3	\$31.8	\$43.4	\$45.7
Net exports of goods and services (billions of constant dollars)**	-\$1,297.6	-\$1,287.2	-\$1,183.7	-\$1,267.5	-\$1,287.2	-\$1,233.8	-\$1,227.5	-\$1,220.8	-\$1,183.7
Government consumption expenditures and gross investment*	0.5%	-0.1%	-2.8%	-0.2%	1.2%	-3.6%	23.9%	1.4%	1.5%
Industrial production*	4.5%	3.2%	-0.1%	3.4%	1.0%	-0.8%	-1.2%	1.0%	0.8%
Car & light truck sales (millions - calendar year including imports)***	4.5%	13.9	-0.1%	13.3	1.0 %	-0.8 %	-1.2 %	13.6	14.0
Housing starts (millions)***	1.61	1.51	1.35	1.57	1.39	1.23	1.24	1.28	1.30
Oil price (dollars per barrel of West Texas Intermediate)**	\$77.44	\$89.82	\$88.59	\$70.56	\$89.82	\$94.07	\$89.80	\$88.90	\$88.59
Unemployment rate**	4.2%	3.9%	5.0%	5.1%	3.9%	4.2%	4.5%	4.8%	5.0%
Inflation rate (consumer price index)*	6.7%	7.6%	3.9%	6.7%	5.0%	4.9%	4.2%	3.4%	3.0%
Treasury constant maturity one-year rate**	0.20%	4.04%	4.02%	0.08%	4.04%	4.28%	4.31%	4.19%	4.02%
Treasury constant maturity ten-year rate**	1.54%	3.60%	3.67%	1.32%	3.60%	3.75%	3.76%	3.72%	3.67%
J.P. Morgan trade weighted OECD dollar*	0.9%	11.1%	2.4%	1.2%	2.7%	0.9%	0.6%	0.4%	0.2%

*Annual: Q4 over Q4 Quarterly: Quarter to Quarter change, annual rate

**Annuals are Q4 value

***Annuals are yearly average

Table 3 - GDP, Current Dollars

	Q4	over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	12.2%			6.7%					
4		6.9%	5.9%		5.8%	5.8%	5.9%	6.2%	5.9%
3		7.1%	5.4%		6.6%	5.6%	5.3%	5.5%	5.2%
2		7.0%	4.4%		6.4%	5.5%	5.1%	5.1%	1.8%
14		6.7%	4.3%		5.0%	2.8%	3.5%	5.3%	5.7%
9		6.3%	4.2%		3.5%	4.0%	4.2%	7.5%	1.4%
8		6.8%	4.2%		5.4%	0.3%	4.2%	7.0%	5.3%
7		6.2%	3.8%		3.1%	3.0%	3.3%	3.7%	5.4%
5		7.2%	3.6%		7.1%	4.8%	3.7%	3.1%	2.9%
13		7.1%	3.0%		6.8%	4.7%	3.3%	1.0%	3.1%
16		7.0%	2.9%		6.1%	3.6%	2.6%	3.2%	2.1%
10		6.8%	2.8%		5.4%	3.8%	2.4%	2.7%	2.6%
15		6.3%	2.8%		3.6%	1.5%	2.4%	3.5%	3.9%
6		6.1%	2.8%		2.6%	2.5%	1.6%	4.4%	2.7%
17		6.3%	2.7%		3.3%	1.3%	2.3%	3.4%	3.9%
11		1.0%	2.0%		-15.6%	0.4%	4.5%	0.9%	2.4%
12		5.8%	1.1%		1.5%	0.7%	0.4%	1.4%	1.7%
1		6.5%	1.0%		4.1%	1.0%	1.0%	1.0%	1.0%
18		5.9%	-8.6%		1.8%	-5.0%	-12.0%	-8.3%	-8.9%
MEDIAN		6.6%	3.0%		4.5%	2.9%	3.3%	3.5%	2.8%
MEAN		6.3%	2.7%		3.5%	2.6%	2.4%	3.2%	2.7%
STD DEV		1.3%	3.0%		4.9%	2.6%	3.8%	3.4%	3.2%
HIGH		7.2%	5.9%		7.1%	5.8%	5.9%	7.5%	5.9%
LOW		1.0%	-8.6%		-15.6%	-5.0%	-12.0%	-8.3%	-8.9%

Table 4 - GDP Price Index, Chain-type

Q4 over Q4									
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	6.1%			4.1%					
1	••••	6.3%	10.4%		4.1%	10.4%	10.4%	10.4%	10.4%
14		6.4%	4.7%		4.5%	5.0%	5.0%	4.6%	4.3%
4		6.4%	4.7%		4.5%	4.9%	4.9%	4.6%	4.2%
3		6.5%	3.7%		4.7%	4.3%	3.9%	3.5%	3.3%
9		6.9%	3.6%		6.1%	5.3%	4.0%	3.0%	2.1%
16		6.8%	3.5%		5.8%	5.0%	3.4%	3.0%	2.7%
8		6.6%	3.5%		5.2%	4.2%	3.5%	3.1%	3.0%
17		6.7%	3.5%		5.5%	4.4%	3.7%	3.1%	2.7%
15		6.7%	3.4%		5.3%	4.4%	3.3%	3.1%	2.6%
7		5.9%	3.1%		2.6%	3.1%	3.1%	3.1%	3.1%
13		6.4%	2.9%		4.2%	3.8%	2.8%	2.8%	2.1%
5		6.9%	2.8%		6.2%	3.7%	2.7%	2.6%	2.4%
2		6.4%	2.8%		4.2%	3.8%	2.8%	2.8%	1.8%
10		6.0%	2.5%		2.9%	2.8%	2.5%	2.5%	2.1%
12		6.1%	2.4%		3.2%	2.8%	2.5%	2.2%	2.1%
6		5.9%	2.0%		2.3%	2.1%	2.2%	1.6%	2.2%
11		7.6%	-4.6%		9.1%	6.2%	-11.5%	-6.1%	-6.2%
18		5.9%	-7.8%		2.6%	-2.5%	-9.6%	-9.3%	-9.8%
MEDIAN		6.4%	3.2%		4.5%	4.2%	3.2%	3.0%	2.5%
MEAN		6.5%	2.6%		4.6%	4.1%	2.2%	2.3%	2.0%
STD DEV		0.4%	3.6%		1.6%	2.4%	4.9%	4.0%	4.0%
HIGH		7.6%	10.4%		9.1%	10.4%	10.4%	10.4%	10.4%
LOW		5.9%	-7.8%		2.3%	-2.5%	-11.5%	-9.3%	-9.8%

Table 5 - Real GDP, Chained Dollars

	Q4	over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	E 30/			0.0%					
	5.7%	4 40/	10 10/	2.6%	4 40/	10 10/	40.40/	10 10/	40.40/
1		1.1%	10.4%		4.1%	10.4%	10.4%	10.4%	10.4%
2		0.6%	2.2%		2.1%	1.7%	2.3%	2.3%	2.4%
3		0.5%	1.6%		1.9%	1.3%	1.4%	1.9%	1.9%
4		0.4%	1.2%		1.2%	0.8%	0.9%	1.5%	1.6%
5		0.3%	0.8%		0.9%	1.1%	0.9%	0.5%	0.6%
6		0.2%	0.8%		0.3%	0.4%	-0.6%	2.7%	0.5%
7		0.2%	0.7%		0.6%	0.4%	0.6%	0.8%	1.2%
8		0.1%	0.7%		0.2%	-3.7%	0.6%	3.8%	2.2%
9		-0.6%	0.7%		-2.6%	-1.1%	0.1%	1.3%	2.4%
10		0.7%	0.5%		2.4%	0.9%	0.1%	0.3%	0.7%
11		0.0%	0.4%		-0.4%	-9.6%	-5.0%	5.3%	12.3%
12		0.2%	0.2%		0.4%	0.1%	-0.1%	0.3%	0.5%
13		0.7%	0.2%		2.5%	0.9%	-0.2%	-1.0%	1.0%
14		0.2%	-0.4%		0.4%	-2.1%	-1.5%	0.7%	1.3%
15		-0.3%	-0.5%		-1.6%	-3.0%	-0.9%	0.6%	1.3%
16		0.2%	-0.6%		0.3%	-1.2%	-0.8%	0.2%	-0.5%
17		-0.4%	-0.7%		-1.9%	-3.3%	-1.1%	0.5%	1.2%
18		2.1%	-3.1%		8.2%	-5.2%	14.0%	-7.8%	-11.5%
MEDIAN		0.2%	0.6%		0.5%	0.2%	0.1%	0.7%	1.3%
MEAN		0.3%	0.8%		1.1%	-0.6%	1.2%	1.3%	1.6%
STD DEV		0.6%	2.6%		2.4%	3.9%	4.2%	3.3%	4.6%
HIGH		2.1%	10.4%		8.2%	10.4%	14.0%	10.4%	12.3%
LOW		-0.6%	-3.1%		-2.6%	-9.6%	-5.0%	-7.8%	-11.5%

	Q4	over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	7.2%			1.4%					
1		2.2%	10.4%		4.1%	10.4%	10.4%	10.4%	10.4%
12		1.6%	2.2%		1.5%	1.2%	2.2%	2.8%	2.4%
2		1.7%	2.2%		2.1%	1.7%	2.3%	2.3%	2.4%
7		1.7%	1.9%		2.2%	1.4%	1.7%	1.8%	2.8%
3		1.8%	1.9%		2.5%	1.8%	1.9%	1.9%	2.0%
11		3.7%	1.7%		10.3%	-2.7%	1.4%	5.7%	2.8%
4		1.4%	1.4%		0.9%	0.7%	1.0%	1.9%	1.9%
6		1.5%	1.2%		1.1%	0.9%	0.4%	2.5%	0.9%
10		1.5%	1.1%		1.2%	0.5%	1.4%	1.3%	1.2%
5		1.7%	1.0%		1.8%	1.1%	1.6%	0.6%	0.6%
15		1.3%	0.3%		0.3%	-1.3%	0.9%	0.8%	1.0%
17		1.2%	0.3%		-0.1%	-1.6%	0.9%	0.8%	1.1%
9		1.1%	0.1%		-0.5%	-1.2%	-0.7%	0.5%	1.8%
13		2.8%	0.0%		6.6%	3.6%	-1.9%	-1.4%	-0.3%
14		1.2%	-0.1%		0.0%	-1.2%	-1.3%	0.7%	1.5%
16		1.8%	-0.2%		2.3%	0.9%	0.1%	-0.8%	-0.8%
8		1.9%	-0.3%		2.7%	-3.2%	-1.8%	2.0%	2.0%
18		1.6%	-4.0%		1.4%	8.2%	-3.9%	-7.8%	-11.5%
MEDIAN		1.6%	1.0%		1.7%	0.9%	1.0%	1.6%	1.7%
MEAN		1.8%	1.2%		2.3%	1.2%	0.9%	1.4%	1.2%
STD DEV		0.6%	2.6%		2.5%	3.3%	2.8%	3.4%	3.8%
HIGH		3.7%	10.4%		10.3%	10.4%	10.4%	10.4%	10.4%
LOW		1.1%	-4.0%		-0.5%	-3.2%	-3.9%	-7.8%	-11.5%

Table 6 - Personal Consumption Expenditures

Table 7 - Business Fixed Investment

	Q4	l over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	5.0%			3.7%					
1	5.0%	3.9%	10.4%	3.770	4.1%	10.4%	10.4%	10.4%	10.4%
11		-0.4%	4.4%		-12.0%	-13.3%	7.5%	12.7%	13.1%
7		4.9%	2.3%		8.1%	5.4%	1.2%	2.1%	0.5%
2		1.8%	2.2%		-4.3%	1.5%	2.5%	2.1%	2.4%
10		3.4%	2.0%		2.2%	2.2%	1.8%	1.9%	2.4%
3		3.5%	1.9%		2.2%	2.0%	1.3%	2.3%	2.0%
4		3.5%	1.2%		2.3%	0.8%	0.6%	1.5%	1.8%
13		2.9%	0.7%		0.2%	1.2%	0.3%	0.5%	0.7%
6		3.1%	0.6%		0.2%	-0.2%	0.5%	2.0%	0.1%
12		3.1%	0.1%		1.0%	0.2%	-0.4%	0.1%	0.1%
9		3.4%	0.0%		2.1%	-4.8%	-0.4%	1.9%	3.5%
5		3.7%	-0.7%		3.2%	0.0%	-0.5%	-1.0%	-1.3%
8		3.6%	-1.0%		3.0%	-3.0%	-4.9%	1.2%	3.0%
16		3.0%	-1.9%		0.4%	-3.1%	-4.3%	-0.7%	-1.8%
14		3.0%	-3.6%		0.4%	-5.1%	-6.9%	-3.0%	0.6%
18		3.1%	-3.9%		1.0%	-1.3%	-3.4%	-6.2%	-4.7%
15		1.7%	-4.5%		-4.4%	-7.4%	-4.6%	-0.2 %	-4.7%
17		1.4%	-5.3%		-4.4 %	-8.4%	-4.0%	-3.8%	-2.7 %
17		1.4 /0	-3.370		-3.0 /8	-0.4 /0	-3.170	-3.070	-3.076
MEDIAN		3.1%	0.4%		1.0%	-0.1%	0.0%	1.3%	0.6%
MEAN		2.9%	0.3%		0.3%	-1.3%	-0.1%	1.2%	1.5%
STD DEV		1.1%	3.5%		4.3%	5.2%	4.2%	4.4%	4.3%
HIGH		4.9%	10.4%		8.1%	10.4%	10.4%	12.7%	13.1%
LOW		-0.4%	-5.3%		-12.0%	-13.3%	-6.9%	-6.2%	-4.7%

Table 8 - Residential Investment

	Q	4 over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	-0.3%			-42.0%					
1	-0.070	-11.6%	10.4%	-42.070	4.1%	10.4%	10.4%	10.4%	10.4%
11		1.4%	2.1%		80.1%	3.9%	1.7%	1.7%	1.1%
2		-12.0%	2.0%		2.1%	1.2%	2.3%	2.3%	2.4%
8		-18.0%	1.3%		-22.8%	-15.9%	-3.9%	12.6%	15.9%
3		-14.2%	0.9%		-7.4%	-7.5%	-0.7%	6.5%	6.1%
7		-17.6%	0.9%		-21.5%	-8.6%	2.1%	5.7%	4.9%
5		-16.9%	0.8%		-18.5%	-4.0%	1.9%	3.2%	2.2%
10		-14.8%	-0.2%		-10.0%	-7.2%	-2.8%	2.5%	7.2%
4		-16.2%	-1.4%		-15.9%	-7.7%	-2.2%	1.3%	3.5%
18		-13.8%	-1.6%		-6.0%	2.0%	-3.2%	-3.2%	-2.0%
13		-16.2%	-1.7%		-16.0%	-17.0%	2.1%	2.1%	7.9%
12		-18.0%	-2.2%		-22.9%	-5.2%	-4.4%	-0.8%	1.6%
6		-12.6%	-3.6%		-0.2%	1.2%	-6.6%	-9.4%	1.0%
9		-18.9%	-3.9%		-26.2%	-9.5%	-4.9%	-1.0%	0.0%
16		-18.2%	-6.1%		-23.8%	-12.0%	-7.5%	-2.5%	-1.9%
15		-18.5%	-8.8%		-24.8%	-16.6%	-15.1%	-4.9%	2.7%
17		-18.6%	-9.5%		-25.0%	-17.0%	-16.0%	-6.0%	2.5%
14		-17.7%	-14.2%		-21.6%	-23.8%	-17.9%	-10.5%	-3.0%
MEDIAN		-16.5%	-1.5%		-17.2%	-7.6%	-3.0%	1.5%	2.4%
MEAN		-15.1%	-1.9%		-9.8%	-7.4%	-3.6%	0.6%	3.5%
STD DEV		4.6%	5.3%		23.8%	8.6%	7.0%	6.0%	4.6%
HIGH		1.4%	10.4%		80.1%	10.4%	10.4%	12.6%	15.9%
LOW		-18.9%	-14.2%		-26.2%	-23.8%	-17.9%	-10.5%	-3.0%

Table 9 - Change in Private Inventories

	C	Q4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	\$197.6			\$61.9					
3		\$62.2	\$90.5		\$62.2	\$65.4	\$71.6	\$81.1	\$90.5
6		\$90.4	\$84.4		\$90.4	\$74.8	\$47.9	\$70.4	\$84.4
1		\$62.5	\$69.0		\$62.5	\$64.1	\$65.7	\$67.3	\$69.0
10		\$80.8	\$68.0		\$80.8	\$81.6	\$80.0	\$78.0	\$68.0
4		\$64.2	\$64.9		\$64.2	\$63.9	\$64.2	\$64.5	\$64.9
14		\$84.2	\$64.9		\$84.2	\$43.9	\$44.2	\$64.5	\$64.9
9		\$62.5	\$59.7		\$62.5	\$62.0	\$60.3	\$59.2	\$59.7
17		\$42.2	\$45.4		\$42.2	\$18.6	-\$14.7	\$17.7	\$45.4
7		\$55.0	\$45.0		\$55.0	\$66.0	\$66.0	\$55.0	\$45.0
8		-\$21.0	\$43.0		-\$21.0	-\$79.0	\$12.0	\$50.0	\$43.0
15		\$42.0	\$42.8		\$42.0	\$17.7	-\$14.6	\$15.3	\$42.8
13		\$58.5	\$42.0		\$58.5	\$39.0	\$35.0	\$37.0	\$42.0
2		\$27.2	\$28.7		\$27.2	-\$19.1	-\$15.2	\$31.3	\$28.7
5		\$72.9	\$22.2		\$72.9	\$74.0	\$45.7	\$33.1	\$22.2
16		\$94.9	\$21.4		\$94.9	\$35.8	\$1.0	\$27.7	\$21.4
18		\$65.0	\$20.0		\$65.0	\$55.0	\$40.0	\$32.0	\$20.0
12		\$1.8	\$15.4		\$1.8	-\$24.9	-\$12.4	\$1.2	\$15.4
11		-\$5.0	-\$5.0		-\$5.0	-\$4.0	-\$5.0	-\$4.0	-\$5.0
						• · ·			
MEDIAN		\$62.3	\$44.0		\$62.3	\$49.5	\$42.1	\$43.5	\$44.0
MEAN		\$52.2	\$45.7		\$52.2	\$35.3	\$31.8	\$43.4	\$45.7
STD DEV		\$31.8	\$24.8		\$31.8	\$41.9	\$33.3	\$25.2	\$24.8
HIGH		\$94.9	\$90.5		\$94.9	\$81.6	\$80.0	\$81.1	\$90.5
LOW		-\$21.0	-\$5.0		-\$21.0	-\$79.0	-\$15.2	-\$4.0	-\$5.0

		Q4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	-\$1,297.6			-\$1,274.0					
11		-\$1,500.0	\$150.0		-\$1,500.0	-\$500.0	-\$500.0	-\$500.0	\$150.0
12		-\$1,152.0	-\$834.2		-\$1,152.0	-\$1,074.2	-\$989.6	-\$901.7	-\$834.2
8		-\$1,175.0	-\$1,079.0		-\$1,175.0	-\$1,150.0	-\$1,115.0	-\$1,079.0	-\$1,079.0
14		-\$1,251.3	-\$1,128.5		-\$1,251.3	-\$1,204.4	-\$1,156.3	-\$1,135.8	-\$1,128.5
6		-\$1,230.2	-\$1,179.8		-\$1,230.2	-\$1,217.0	-\$1,204.1	-\$1,191.8	-\$1,179.8
18		-\$1,275.0	-\$1,230.0		-\$1,275.0	-\$1,260.0	-\$1,250.0	-\$1,240.0	-\$1,230.0
4		-\$1,248.3	-\$1,247.3		-\$1,248.3	-\$1,233.9	-\$1,227.9	-\$1,234.5	-\$1,247.3
9		-\$1,264.5	-\$1,254.0		-\$1,264.5	-\$1,255.0	-\$1,243.0	-\$1,245.0	-\$1,254.0
16		-\$1,291.0	-\$1,264.3		-\$1,291.0	-\$1,314.3	-\$1,297.9	-\$1,283.5	-\$1,264.3
17		-\$1,255.9	-\$1,269.3		-\$1,255.9	-\$1,280.1	-\$1,265.7	-\$1,273.3	-\$1,269.3
15		-\$1,259.9	-\$1,270.8		-\$1,259.9	-\$1,285.7	-\$1,269.4	-\$1,274.0	-\$1,270.8
2		-\$1,280.6	-\$1,307.8		-\$1,280.6	-\$1,285.5	-\$1,292.7	-\$1,300.1	-\$1,307.8
13		-\$1,350.0	-\$1,325.0		-\$1,350.0	-\$1,392.0	-\$1,378.0	-\$1,318.0	-\$1,325.0
3		-\$1,291.1	-\$1,349.1		-\$1,291.1	-\$1,303.8	-\$1,322.2	-\$1,333.9	-\$1,349.1
10		-\$1,297.1	-\$1,377.0		-\$1,297.1	-\$1,269.8	-\$1,311.1	-\$1,354.5	-\$1,377.0
5		-\$1,406.2	-\$1,379.4		-\$1,406.2	-\$1,414.0	-\$1,404.5	-\$1,394.0	-\$1,379.4
1		-\$1,286.7	-\$1,420.3		-\$1,286.7	-\$1,318.9	-\$1,351.9	-\$1,385.7	-\$1,420.3
7		-\$1,355.0	-\$1,540.0		-\$1,355.0	-\$1,450.0	-\$1,515.0	-\$1,530.0	-\$1,540.0
MEDIAN		-\$1,277.8	-\$1,266.8		-\$1,277.8	-\$1,275.0	-\$1,267.6	-\$1,273.7	-\$1,266.8
MEAN		-\$1,287.2	-\$1,183.7		-\$1,287.2	-\$1,233.8	-\$1,227.5	-\$1,220.8	-\$1,183.7
STD DEV		\$77.3	\$355.0		\$77.3	\$197.9	\$208.9	\$218.5	\$355.0
HIGH		-\$1,152.0	\$150.0		-\$1,152.0	-\$500.0	-\$500.0	-\$500.0	\$150.0
LOW		-\$1,500.0	-\$1,540.0		-\$1,500.0	-\$1,450.0	-\$1,515.0	-\$1,530.0	-\$1,540.0

Table 10 - Net Exports of Goods and Services

	Q4	4 over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	0.5%			2.4%					
1	0.070	0.6%	10.4%	2.470	4.1%	10.4%	10.4%	10.4%	10.4%
9		0.4%	3.9%		3.0%	3.5%	3.6%	4.1%	4.5%
5		0.0%	1.9%		1.7%	3.3%	1.4%	1.4%	1.3%
3		0.1%	1.8%		1.9%	1.8%	1.8%	1.8%	1.7%
16		-0.2%	1.6%		0.9%	3.7%	1.3%	0.9%	0.7%
15		-0.1%	1.5%		1.0%	3.2%	0.9%	0.8%	1.1%
17		-0.1%	1.4%		1.0%	3.1%	0.8%	0.8%	1.0%
10		-0.2%	1.1%		0.9%	1.3%	1.2%	1.1%	1.0%
12		-0.1%	1.0%		1.0%	1.0%	1.1%	1.0%	1.1%
8		0.6%	1.0%		4.2%	0.5%	1.3%	1.8%	0.5%
7		-0.2%	0.9%		0.6%	1.2%	0.6%	0.6%	1.2%
13		-0.3%	0.8%		0.5%	1.1%	0.8%	0.6%	0.6%
6		-0.3%	0.7%		0.5%	0.7%	0.9%	0.4%	0.6%
4		-0.2%	0.6%		0.9%	0.7%	0.4%	0.5%	0.6%
14		-0.2%	0.4%		0.8%	0.6%	0.3%	0.3%	0.4%
2		-0.3%	0.0%		0.1%	0.0%	0.0%	0.0%	0.1%
18		-0.7%	-1.2%		-1.1%	-1.2%	-3.5%	-0.6%	0.6%
11		-0.4%	-77.9%		0.0%	-100.0%	406.3%	0.0%	0.0%
MEDIAN		-0.2%	1.0%		0.9%	1.1%	1.0%	0.8%	0.9%
MEAN		-0.1%	-2.8%		1.2%	-3.6%	23.9%	1.4%	1.5%
STD DEV		0.3%	18.4%		1.3%	23.5%	92.8%	2.4%	2.4%
HIGH		0.6%	10.4%		4.2%	10.4%	406.3%	10.4%	10.4%
LOW		-0.7%	-77.9%		-1.1%	-100.0%	-3.5%	-0.6%	0.0%

Table 11 - Government Consumption Expenditures and Gross Investment

Table 12 - Industrial Production

	Q4	over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	4.5%			2.2%					
1		4.2%	10.4%		5.0%	10.4%	10.4%	10.4%	10.4%
11		0.3%	3.9%		-10.2%	-3.9%	4.0%	8.1%	7.9%
3		3.7%	2.4%		2.8%	2.1%	2.0%	2.4%	3.0%
2		2.2%	2.0%		-2.9%	1.9%	2.3%	1.5%	2.3%
12		3.7%	1.1%		2.8%	1.1%	0.8%	1.1%	1.5%
10		3.8%	0.8%		3.2%	1.1%	0.8%	0.4%	0.8%
7		4.2%	0.5%		4.8%	-1.9%	1.1%	1.9%	0.8%
9		3.3%	0.1%		1.3%	-0.8%	0.0%	0.4%	0.8%
6		3.0%	0.1%		0.0%	-0.5%	-0.9%	1.6%	0.1%
4		3.1%	-0.4%		0.5%	-0.9%	-0.8%	0.0%	0.2%
8		3.8%	-0.6%		3.3%	-3.1%	-5.6%	1.6%	5.2%
5		3.2%	-0.7%		0.8%	-0.9%	-0.7%	-0.6%	-0.6%
13		3.3%	-0.8%		1.3%	0.0%	-0.8%	-1.1%	-1.1%
16		3.8%	-2.7%		3.2%	-3.5%	-3.6%	-1.6%	-1.9%
14		3.0%	-3.5%		0.2%	-5.2%	-5.5%	-2.7%	-0.6%
15		3.2%	-4.3%		0.9%	-5.6%	-9.3%	1.4%	-3.4%
18		3.2%	-4.8%		0.9%	0.0%	-7.4%	-3.8%	-7.6%
17		3.2%	-4.9%		0.9%	-4.9%	-8.2%	-3.1%	-3.1%
		•					•	•••••	•••••
MEDIAN		3.3%	-0.1%		1.1%	-0.8%	-0.7%	0.8%	0.5%
MEAN		3.2%	-0.1%		1.0%	-0.8%	-0.7%	1.0%	0.3%
STD DEV			3.5%			-0.8%	-1.2% 4.7%	3.4%	0.8 <i>%</i> 4.0%
		0.9%			3.3%				
HIGH		4.2%	10.4%		5.0%	10.4%	10.4%	10.4%	10.4%
LOW		0.3%	-4.9%		-10.2%	-5.6%	-9.3%	-3.8%	-7.6%

Table 13 - Car and Light Truck Sales (millions)

Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	14.9			13.4					
7		14.0	16.1		15.0	15.5	15.8	16.4	16.8
10		13.8	16.0		13.8	14.5	15.5	16.0	16.0
11		13.5	16.0		13.5	2.5	2.5	5.0	6.0
6		14.0	15.8		15.2	15.5	15.6	16.1	16.0
1		15.5	15.7		13.4	13.8	14.1	14.5	14.8
3		14.0	15.5		15.0	15.4	15.5	15.4	15.9
2		14.1	15.0		14.1	14.2	14.5	14.7	15.0
13		13.8	14.9		15.0	14.7	15.2	15.1	14.6
9		14.0	14.6		14.0	13.5	13.5	14.3	14.6
18		14.4	14.5		14.4	3.5	7.0	10.8	14.5
16		13.9	14.3		14.7	14.9	14.6	14.1	13.5
4		13.7	13.7		14.0	13.8	13.5	13.7	13.7
8		14.0	13.4		15.1	14.0	13.1	12.9	13.7
12		13.6	13.4		13.5	13.6	13.3	13.1	13.5
15		13.6	13.3		13.7	13.3	13.2	13.4	13.5
17		13.6	12.9		13.6	13.0	12.8	12.9	12.9
14		13.5	12.3		13.4	12.3	12.0	12.3	12.8
MEDIAN		13.9	14.6		14.0	13.8	13.5	14.1	14.5
MEAN		13.9	14.6		14.2	12.8	13.0	13.6	14.0
STD DEV		0.5	1.2		0.6	3.7	3.3	2.6	2.3
HIGH		15.5	16.1		15.2	15.5	15.8	16.4	16.8
LOW		13.5	12.3		13.4	2.5	2.5	5.0	6.0

Table 14 - Housing Starts (millions)

Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	1.61			1.46					
1		1.67	1.69		1.47	1.51	1.55	1.59	1.63
2		1.40	1.50		1.43	1.43	1.50	1.50	1.60
6		1.58	1.49		1.50	1.50	1.48	1.49	1.50
7		1.56	1.46		1.43	1.45	1.46	1.48	1.52
10		1.58	1.46		1.50	1.49	1.48	1.47	1.46
9		1.49	1.43		1.49	1.46	1.44	1.43	1.43
13		1.56	1.40		1.41	1.37	1.35	1.35	1.39
3		1.56	1.40		1.42	1.38	1.37	1.41	1.44
5		1.57	1.36		1.45	1.40	1.37	1.35	1.33
4		1.56	1.36		1.39	1.39	1.36	1.34	1.33
12		1.56	1.32		1.40	1.35	1.31	1.28	1.34
14		1.55	1.32		1.38	1.36	1.32	1.29	1.30
18		1.45	1.30		1.40	0.30	0.80	1.10	1.30
11		1.01	1.25		1.01	0.25	0.25	0.40	0.40
16		1.56	1.22		1.40	1.29	1.25	1.19	1.14
15		1.54	1.13		1.33	1.10	1.00	1.07	1.07
8		1.52	1.11		1.25	0.97	0.97	1.24	1.27
17		1.50	1.10		1.30	1.20	1.10	1.00	1.00
MEDIAN		1.56	1.36		1.41	1.37	1.36	1.35	1.34
MEAN		1.51	1.35		1.39	1.23	1.24	1.28	1.30
STD DEV		0.13	0.15		0.11	0.37	0.31	0.26	0.27
HIGH		1.67	1.69		1.50	1.51	1.55	1.59	1.63
LOW		1.07	1.10		1.01	0.25	0.25	0.40	0.40

		Q4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	\$77.44			\$92.63					
9		\$95.00	\$105.00		\$95.00	\$98.00	\$99.00	\$102.00	\$105.00
1		\$93.53	\$103.24		\$93.53	\$95.86	\$98.26	\$100.72	\$103.24
4		\$93.00	\$99.00		\$93.00	\$100.00	\$100.00	\$100.00	\$99.00
14		\$93.00	\$99.00		\$93.00	\$100.00	\$100.00	\$100.00	\$99.00
17		\$99.40	\$98.20		\$99.40	\$94.20	\$89.80	\$94.10	\$98.20
8		\$59.52	\$97.67		\$59.52	\$90.33	\$91.33	\$95.67	\$97.67
15		\$97.04	\$94.82		\$97.04	\$91.74	\$87.04	\$90.92	\$94.82
13		\$87.00	\$89.00		\$87.00	\$88.00	\$88.00	\$85.00	\$89.00
10		\$90.00	\$88.00		\$90.00	\$89.50	\$89.00	\$88.50	\$88.00
6		\$83.29	\$86.72		\$83.29	\$83.73	\$87.35	\$88.73	\$86.72
16		\$95.29	\$84.93		\$95.29	\$105.30	\$92.69	\$88.53	\$84.93
2		\$91.00	\$83.00		\$91.00	\$89.00	\$88.00	\$85.00	\$83.00
12		\$87.00	\$79.90		\$87.00	\$85.40	\$83.30	\$81.20	\$79.90
7		\$88.00	\$75.00		\$88.00	\$84.00	\$82.00	\$80.00	\$75.00
18		\$120.00	\$70.00		\$120.00	\$148.00	\$98.00	\$78.00	\$70.00
11		\$65.00	\$64.00		\$65.00	\$62.00	\$63.00	\$64.00	\$64.00
MEDIAN		\$92.00	\$88.50		\$92.00	\$91.04	\$89.40	\$88.63	\$88.50
MEAN		\$89.82	\$88.59		\$89.82	\$94.07	\$89.80	\$88.90	\$88.59
STD DEV		\$13.09	\$11.65		\$13.09	\$16.84	\$8.96	\$9.82	\$11.65
HIGH		\$120.00	\$105.00		\$120.00	\$148.00	\$100.00	\$102.00	\$105.00
LOW		\$59.52	\$64.00		\$59.52	\$62.00	\$63.00	\$64.00	\$64.00

Table 15 - Oil Price (West Texas Intermediate, Dollars Per Barrel)

Table 16 - Unemployment Rate

	Q	4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	4.2%			3.6%					
8		3.8%	7.4%		3.8%	4.5%	5.2%	6.6%	7.4%
17		4.1%	7.0%		4.1%	4.7%	5.7%	6.4%	7.0%
15		4.0%	6.7%		4.0%	4.7%	5.4%	6.1%	6.7%
14		3.9%	6.5%		3.9%	4.7%	5.9%	6.4%	6.5%
11		6.1%	5.6%		6.1%	6.7%	6.5%	5.9%	5.6%
16		3.8%	5.2%		3.8%	4.0%	4.3%	4.8%	5.2%
18		3.8%	5.0%		3.8%	3.7%	4.1%	4.6%	5.0%
13		3.7%	4.5%		3.7%	3.9%	4.1%	4.5%	4.5%
4		3.8%	4.4%		3.8%	4.2%	4.5%	4.5%	4.4%
9		3.6%	4.4%		3.6%	3.7%	4.3%	4.5%	4.4%
12		3.7%	4.4%		3.7%	4.0%	4.3%	4.5%	4.4%
10		3.7%	4.3%		3.7%	3.9%	4.0%	4.2%	4.3%
5		3.7%	4.1%		3.7%	3.8%	3.9%	4.0%	4.1%
7		3.7%	4.1%		3.7%	3.8%	3.9%	4.1%	4.1%
6		3.6%	4.0%		3.6%	3.7%	4.2%	4.0%	4.0%
3		3.7%	4.0%		3.7%	3.8%	3.9%	4.0%	4.0%
1		3.6%	4.0%		3.6%	3.7%	3.8%	3.9%	4.0%
2		3.7%	3.5%		3.7%	3.8%	3.9%	3.7%	3.5%
		0.70/	4.40/		0 70/	0.00/	4.00/	4 = 0/	4 40/
MEDIAN		3.7%	4.4%		3.7%	3.9%	4.2%	4.5%	4.4%
MEAN		3.9%	5.0%		3.9%	4.2%	4.5%	4.8%	5.0%
STD DEV		0.6%	1.1%		0.6%	0.7%	0.8%	1.0%	1.1%
HIGH		6.1%	7.4%		6.1%	6.7%	6.5%	6.6%	7.4%
LOW		3.6%	3.5%		3.6%	3.7%	3.8%	3.7%	3.5%

	Q4	over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	6.7%			5.7%					
1	0.170	7.8%	6.1%	0.170	5.8%	5.9%	6.0%	6.2%	6.4%
2		7.7%	5.0%		5.6%	5.3%	5.1%	4.9%	4.7%
11		7.6%	4.9%		5.1%	5.4%	5.1%	4.8%	4.5%
14		7.5%	4.9%		4.8%	5.2%	5.1%	4.9%	4.5%
4		7.5%	4.7%		4.8%	5.1%	5.0%	4.6%	4.2%
17		7.8%	4.6%		6.0%	5.6%	4.7%	4.3%	3.7%
8		7.6%	4.5%		5.0%	7.2%	8.1%	0.2%	2.7%
15		7.8%	4.4%		5.9%	5.3%	4.4%	4.2%	3.8%
9		7.6%	3.8%		5.0%	4.2%	4.1%	3.9%	3.2%
12		7.6%	3.6%		5.0%	4.4%	3.8%	3.4%	3.0%
3		7.4%	3.4%		4.5%	3.9%	3.5%	3.2%	3.0%
18		8.3%	3.2%		7.8%	9.5%	5.2%	2.1%	-3.6%
16		7.6%	3.1%		5.0%	4.2%	2.4%	2.8%	2.9%
13		7.5%	3.0%		4.8%	4.0%	2.9%	2.7%	2.5%
7		7.3%	2.9%		4.0%	3.6%	3.1%	2.5%	2.3%
10		7.4%	2.8%		4.2%	3.5%	2.8%	2.6%	2.5%
5		7.6%	2.7%		5.1%	3.3%	2.1%	2.6%	2.9%
6		6.9%	1.9%		2.3%	2.1%	2.1%	2.1%	1.5%
MEDIAN		7.6%	3.7%		5.0%	4.8%	4.3%	3.3%	3.0%
MEAN		7.6%	3.9%		5.0%	4.9%	4.2%	3.4%	3.0%
STD DEV		0.3%	1.0%		1.1%	1.6%	1.5%	1.4%	1.9%
HIGH		8.3%	6.1%		7.8%	9.5%	8.1%	6.2%	6.4%
LOW		6.9%	1.9%		2.3%	2.1%	2.1%	0.2%	-3.6%

Table 17 - Consumer Price Index Inflation Rate

	G	Q4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	0.20%			3.40%					
12		4.30%	6.20%		4.30%	5.20%	5.90%	6.00%	6.20%
14		4.07%	5.60%		4.07%	5.08%	5.42%	5.50%	5.60%
16		5.14%	4.87%		5.14%	5.32%	5.36%	5.18%	4.87%
8		4.31%	4.80%		4.31%	4.87%	4.97%	4.97%	4.80%
6		3.76%	4.67%		3.76%	4.04%	4.34%	4.56%	4.67%
10		4.70%	4.60%		4.70%	4.90%	4.80%	4.70%	4.60%
7		4.50%	4.50%		4.50%	4.60%	4.60%	4.50%	4.50%
15		4.52%	4.05%		4.52%	4.65%	4.54%	4.36%	4.05%
3		4.44%	4.04%		4.44%	4.44%	4.39%	4.34%	4.04%
18		4.50%	4.00%		4.50%	5.00%	5.00%	4.50%	4.00%
13		4.70%	4.00%		4.70%	4.80%	4.50%	4.30%	4.00%
17		4.50%	3.90%		4.50%	4.60%	4.50%	4.30%	3.90%
5		3.80%	3.90%		3.80%	4.00%	4.00%	4.00%	3.90%
1		3.43%	3.79%		3.43%	3.52%	3.61%	3.70%	3.79%
2		3.50%	3.30%		3.50%	3.30%	3.30%	3.30%	3.30%
9		4.50%	2.00%		4.50%	4.40%	4.00%	3.00%	2.00%
11		0.07%	0.10%		0.07%	0.05%	0.09%	0.10%	0.10%
MEDIAN		4.44%	4.04%		4.44%	4.60%	4.50%	4.36%	4.04%
MEAN		4.04%	4.02%		4.04%	4.28%	4.31%	4.19%	4.02%
STD DEV		1.09%	1.32%		1.09%	1.19%	1.23%	1.25%	1.32%
HIGH		5.14%	6.20%		5.14%	5.32%	5.90%	6.00%	6.20%
LOW		0.07%	0.10%		0.07%	0.05%	0.09%	0.10%	0.10%

Table 18 - Treasury Constant Maturity - One-year Rate

	G	Q4 value							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	1.54%			3.11%					
14		3.59%	5.02%		3.59%	4.12%	4.49%	4.76%	5.02%
8		4.09%	5.00%		4.09%	4.50%	4.70%	4.93%	5.00%
4		3.59%	4.87%		3.59%	4.04%	4.38%	4.65%	4.87%
6		3.89%	4.76%		3.89%	4.23%	4.67%	4.70%	4.76%
7		4.00%	4.50%		4.00%	4.60%	4.60%	4.60%	4.50%
12		3.89%	4.50%		3.89%	4.50%	4.60%	4.60%	4.50%
16		4.33%	3.99%		4.33%	4.41%	4.29%	4.19%	3.99%
10		4.00%	3.80%		4.00%	4.25%	4.10%	4.00%	3.80%
3		3.91%	3.73%		3.91%	3.99%	4.34%	3.86%	3.73%
1		3.14%	3.47%		3.14%	3.22%	3.30%	3.38%	3.47%
15		3.99%	3.34%		3.99%	3.97%	3.75%	3.57%	3.34%
17		4.00%	3.30%		4.00%	3.90%	3.70%	3.50%	3.30%
13		3.80%	3.20%		3.80%	3.90%	3.70%	3.40%	3.20%
5		3.24%	3.20%		3.24%	3.28%	3.27%	3.29%	3.20%
9		3.40%	2.90%		3.40%	3.30%	3.20%	3.10%	2.90%
2		3.20%	2.90%		3.20%	3.10%	3.00%	2.90%	2.90%
18		3.50%	2.10%		3.50%	3.20%	2.60%	2.40%	2.10%
11		1.24%	1.44%		1.24%	0.90%	1.00%	1.20%	1.44%
MEDIAN		3.85%	3.60%		3.85%	3.98%	3.93%	3.71%	3.60%
MEAN		3.60%	3.67%		3.60%	3.75%	3.76%	3.72%	3.67%
STD DEV		0.66%	0.97%		0.66%	0.84%	0.92%	0.94%	0.97%
HIGH		4.33%	5.02%		4.33%	4.60%	4.70%	4.93%	5.02%
LOW		1.24%	1.44%		1.24%	0.90%	1.00%	1.20%	1.44%

Table 19 - Treasury Constant Maturity - Ten-year Rate

	Q	4 over Q4							
Individual	2021	2022	2023	Q322	Q422	Q123	Q223	Q323	Q423
	0.9%			4.0%					
1	0.070	12.5%	18.3%	1.070	4.0%	4.1%	4.2%	4.4%	4.5%
18		11.4%	18.2%		3.0%	4.0%	4.2%	4.4%	4.5%
12		12.7%	14.6%		4.2%	4.0%	3.6%	3.3%	3.0%
6		7.4%	3.0%		-0.7%	2.2%	-0.7%	1.9%	-0.4%
7		7.1%	0.5%		-1.0%	1.0%	0.5%	-0.5%	-0.5%
14		21.8%	0.0%		12.6%	0.0%	0.0%	0.0%	0.0%
17		11.2%	-1.9%		2.8%	0.7%	0.6%	-1.1%	-2.1%
15		11.5%	-1.9%		3.1%	0.8%	0.5%	-1.1%	-2.1%
2		8.7%	-2.0%		0.5%	0.0%	-1.0%	-1.0%	0.0%
16		12.6%	-2.8%		4.1%	0.7%	-0.3%	-1.5%	-1.7%
11		6.0%	-3.0%		-2.0%	-0.3%	-0.8%	-1.0%	-1.0%
13		8.7%	-5.9%		0.5%	-2.0%	-2.0%	-1.0%	-1.0%
8		12.5%	-6.2%		4.0%	-3.7%	-0.9%	-1.4%	-0.3%
MEDIAN		11.4%	-1.9%		3.0%	0.7%	0.0%	-1.0%	-0.4%
MEAN		11.1%	2.4%		2.7%	0.9%	0.6%	0.4%	0.2%
STD DEV		3.8%	8.4%		3.6%	2.2%	2.0%	2.2%	2.2%
HIGH		21.8%	18.3%		12.6%	4.1%	4.2%	4.4%	4.5%
LOW		6.0%	-6.2%		-2.0%	-3.7%	-2.0%	-1.5%	-2.1%

Table 20 - J.P. Morgan Trade Weighted OECD Dollar

	GDP current	GDP price index,	Real GDP, chained	Personal consumption	Business fixed	Residential	Change in private	Net	Government consumption expenditures an
Individual	dollars	Chain-type	dollars	expenditures	investment	investment	inventories	exports	gross investmer
1	1.0%	10.4%	10.4%	10.4%	10.4%	10.4%	\$69.0	-\$1,420.3	10.38%
2	4.4%	2.8%	2.2%	2.2%	2.2%	2.0%	\$28.7	-\$1,307.8	0.03%
3	5.4%	3.7%	1.6%	1.9%	1.9%	0.9%	\$90.5	-\$1,349.1	1.76%
4	5.9%	4.7%	1.2%	1.4%	1.2%	-1.4%	\$64.9	-\$1,247.3	0.55%
5	3.6%	2.8%	0.8%	1.0%	-0.7%	0.8%	\$22.2	-\$1,379.4	1.85%
6	2.8%	2.0%	0.8%	1.2%	0.6%	-3.6%	\$84.4	-\$1,179.8	0.66%
7	3.8%	3.1%	0.7%	1.9%	2.3%	0.9%	\$45.0	-\$1,540.0	0.88%
8	4.2%	3.5%	0.7%	-0.3%	-1.0%	1.3%	\$43.0	-\$1.079.0	0.99%
9	4.2%	3.6%	0.7%	0.1%	0.0%	-3.9%	\$59.7	-\$1,254.0	3.94%
10	2.8%	2.5%	0.5%	1.1%	2.0%	-0.2%	\$68.0	-\$1,377.0	1.14%
11	2.0%	-4.6%	0.4%	1.7%	4.4%	2.1%	(\$5.0)	\$150.0	-77.94%
12	1.1%	2.4%	0.2%	2.2%	0.1%	-2.2%	\$15.4	-\$834.2	1.05%
13	3.0%	2.9%	0.2%	0.0%	0.7%	-1.7%	\$42.0	-\$1,325.0	0.76%
14	4.3%	4.7%	-0.4%	-0.1%	-3.6%	-14.2%	\$64.9	-\$1,128.5	0.41%
15	2.8%	3.4%	-0.5%	0.3%	-4.5%	-8.8%	\$42.8	-\$1,270.8	1.49%
16	2.9%	3.5%	-0.6%	-0.2%	-1.9%	-6.1%	\$21.4	-\$1,264.3	1.63%
17	2.7%	3.5%	-0.7%	0.3%	-5.3%	-9.5%	\$45.4	-\$1,269.3	1.44%
18	-8.6%	-7.8%	-3.1%	-4.0%	-3.9%	-1.6%	\$20.0	-\$1,230.0	-1.18%
IAN	3.0%	3.2%	0.6%	1.0%	0.4%	-1.5%	\$44.0	-\$1,266.8	1.0%
N	2.7%	2.6%	0.8%	1.2%	0.3%	-1.9%	\$45.7	-\$1,183.7	-2.8%
DEV	3.0%	3.6%	2.6%	2.6%	3.5%	5.3%	\$24.8	\$355.0	18.4%
4	5.9%	10.4%	10.4%	10.4%	10.4%	10.4%	\$90.5	\$150.0	10.4%
/	-8.6%	-7.8%	-3.1%	-4.0%	-5.3%	-14.2%	-\$5.0	-\$1,540.0	-77.9%

Table 21a - Individual Forecasts for 2023

	Industrial	Car & light	Housing	Oil	Unemployment	Inflation rate	Treasury constant maturity	Treasury constant maturity	J.P. Morgan trade weighted
Individual	production	truck sales	starts	Price	rate	(CPI)	one-year rate	ten-year rate	OECD dollar
1	10.4%	15.7	1.69	\$103.24	4.0%	6.1%	3.79%	3.47%	18.3%
2	2.0%	15.0	1.50	\$83.00	3.5%	5.0%	3.30%	2.90%	-2.0%
3	2.4%	15.5	1.40		4.0%	3.4%	4.04%	3.73%	
4	-0.4%	13.7	1.36	\$99.00	4.4%	4.7%		4.87%	
5	-0.7%		1.36		4.1%	2.7%	3.90%	3.20%	
6	0.1%	15.8	1.49	\$86.72	4.0%	1.9%	4.67%	4.76%	3.0%
7	0.5%	16.1	1.46	\$75.00	4.1%	2.9%	4.50%	4.50%	0.5%
8	-0.6%	13.4	1.11	\$97.67	7.4%	4.5%	4.80%	5.00%	-6.2%
9	0.1%	14.6	1.43	\$105.00	4.4%	3.8%	2.00%	2.90%	
10	0.8%	16.0	1.46	\$88.00	4.3%	2.8%	4.60%	3.80%	
11	3.9%	16.0	1.25	\$64.00	5.6%	4.9%	0.10%	1.44%	-3.0%
12	1.1%	13.4	1.32	\$79.90	4.4%	3.6%	6.20%	4.50%	14.6%
13	-0.8%	14.9	1.40	\$89.00	4.5%	3.0%	4.00%	3.20%	-5.9%
14	-3.5%	12.3	1.32	\$99.00	6.5	4.9	5.60%	5.02%	0.0
15	-4.3%	13.3	1.13	\$94.82	6.7%	4.4%	4.05%	3.34%	-1.9%
16	-2.7%	14.3	1.22	\$84.93	5.2%	3.1%	4.87%	3.99%	-2.8%
17	-4.9%	12.9	1.10	\$98.20	7.0%	4.6%	3.90%	3.30%	-1.9%
18	-4.8%	14.5	1.30	\$70.00	5.0%	3.2%	4.00%	2.10%	18.2%
				·					
DIAN	-0.1%	14.6	1.36	\$88.50	4.4%	3.7%	4.04%	3.60%	-1.9%
N	-0.1%	14.6	1.35	\$88.59	5.0%	3.9%	4.02%	3.67%	2.4%
DEV	3.5%	1.2	0.15	\$11.65	1.1%	1.0%	1.32%	0.97%	8.4%
4	10.4%	16.1	1.69	\$105.00	7.4%	6.1%	6.20%	5.02%	18.3%
/	-4.9%	12.3	1.10	\$64.00	3.5%	1.9%	0.10%	1.44%	-6.2%

Table 21b - Individual Forecasts for 2023