

Decoding the GDP



About: This PBIX displays data and graphs for several segments of the GDP, namely, quarterly GDP, inflation indicators for the PCE deflator (quarterly) and producer price index (monthly), and durable goods orders (monthly). Data was sourced from FRED using an API call in Power Query in Power BI. To keep the API key private, the API call was moved to Excel. The data model is a star schema with multiple fact tables. Each fact table has an associated dimension table with categorical data.

GDP

Real GDP

Frequency: Quarterly

Importance: Medium to High

Section Navigation

GDP Overview



Go



Real GDP -- Most Recent Quarter 1/1/2022

GDP		19,735.9
QoQ%	▼	-1.4%
YoY%	▲	3.6%

GDP

Real, Seasonally Adjusted

Section Navigation

GDP Overview



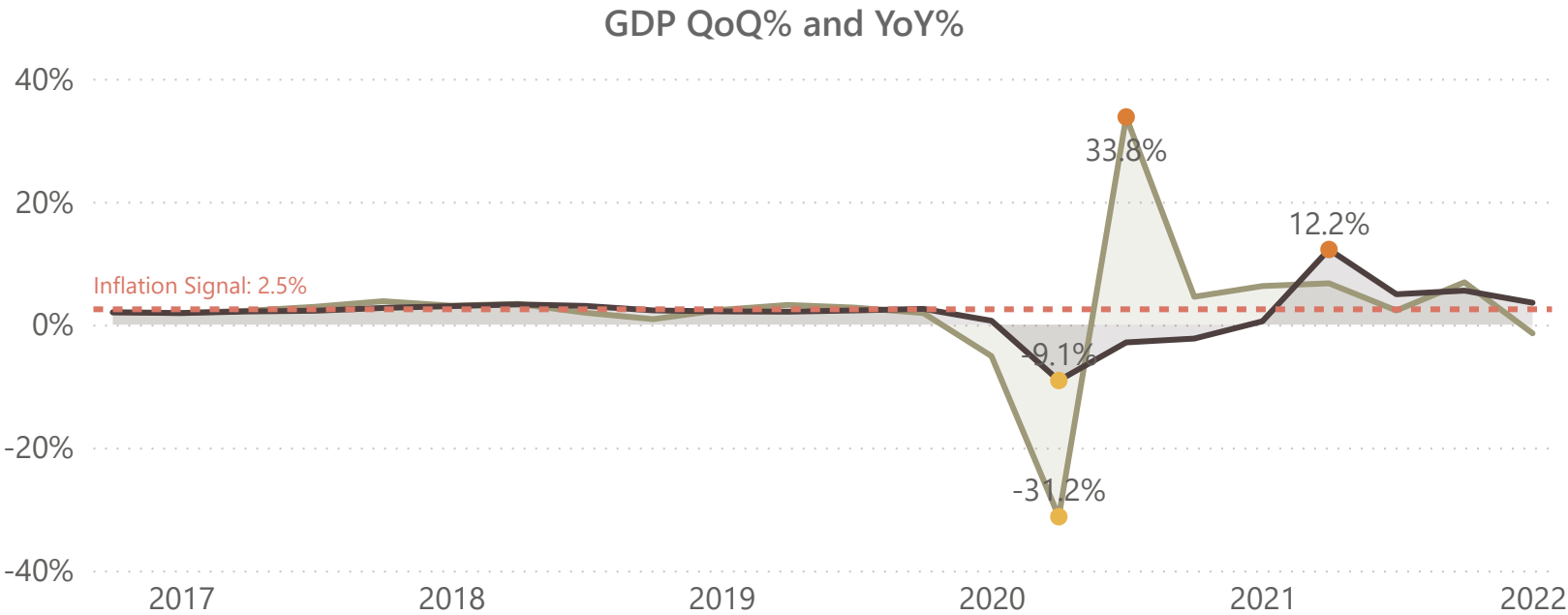
9/30/20163/1/2022

Inflation % Signal

- ☐ 2.00%
- ☒ 2.50%
- ☐ 3.00%
- ☐ 3.50%

Recessions

- ☐ Show
- ☒ Hide



	4/1/2020	7/1/2020	10/1/2020	1/1/2021	4/1/2021	7/1/2021	10/1/2021	1/1/2022
GDP QoQ%	-31.2%	33.8%	4.5%	6.3%	6.7%	2.3%	6.9%	-1.4%
GDP YoY%	-9.1%	-2.9%	-2.3%	0.5%	12.2%	4.9%	5.5%	3.6%
Inflation								

Inflation

PCE Deflator

Frequency: Quarterly
Importance: Very High

Producer Price Index Final Demand

Frequency: Monthly
Importance: Very High

Section Navigation

GDP Overview

Go



PCE Deflator -- Most Recent Quarter 1/1/2022

PCE Deflator	120.1
QoQ%	▲ 7.0%
YoY%	▲ 6.3%

Producer Prices as of 3/1/2022

	Value		MoM%		YoY%
Overall	136.7	▲	1.4%	▲	11.2%
Goods	140.4	▲	2.3%	▲	15.7%
Construction	153.4	▲	0.6%	▲	16.7%
Transportation & Warehousing	150.5	▲	5.5%	▲	21.0%
Trade Services	145.0	▲	1.2%	▲	17.2%
Services Less TTW	127.5	▲	0.3%	▲	3.6%

PCE Deflator Index

Inflation Guage

Section Navigation

GDP Overview



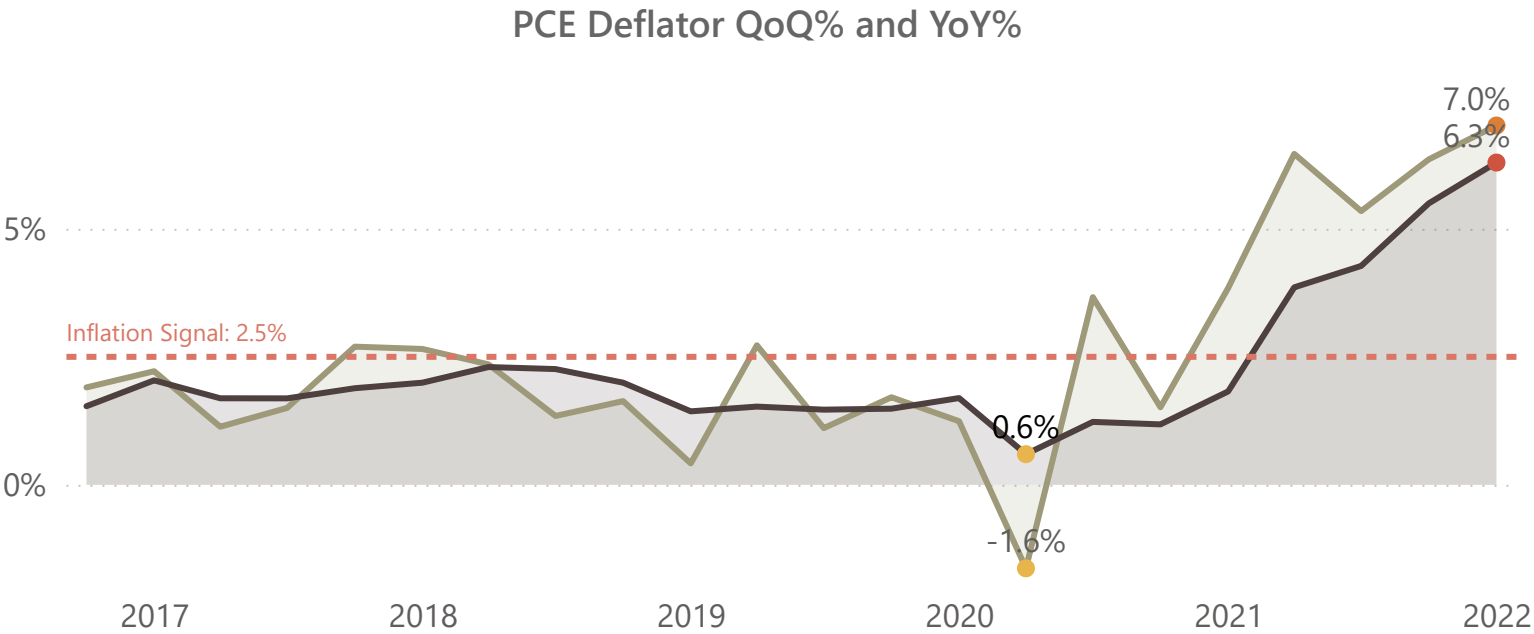
9/30/20163/1/2022

Inflation % Signal

- ☐ 2.00%
- ☒ 2.50%
- ☐ 3.00%
- ☐ 3.50%

Recessions

- ☐ Show
- ☒ Hide



	4/1/2020	7/1/2020	10/1/2020	1/1/2021	4/1/2021	7/1/2021	10/1/2021	1/1/2022
Deflator QoQ%	-1.6%	3.7%	1.5%	3.8%	6.5%	5.3%	6.4%	7.0%
Deflator YoY%	0.6%	1.2%	1.2%	1.8%	3.9%	4.3%	5.5%	6.3%
Inflation								

Producer Price Index

Final Demand

Section Navigation

GDP Overview



9/30/20163/1/2022

- Final Demand
- ☒

Select all
- ☒

Overall
- ☒

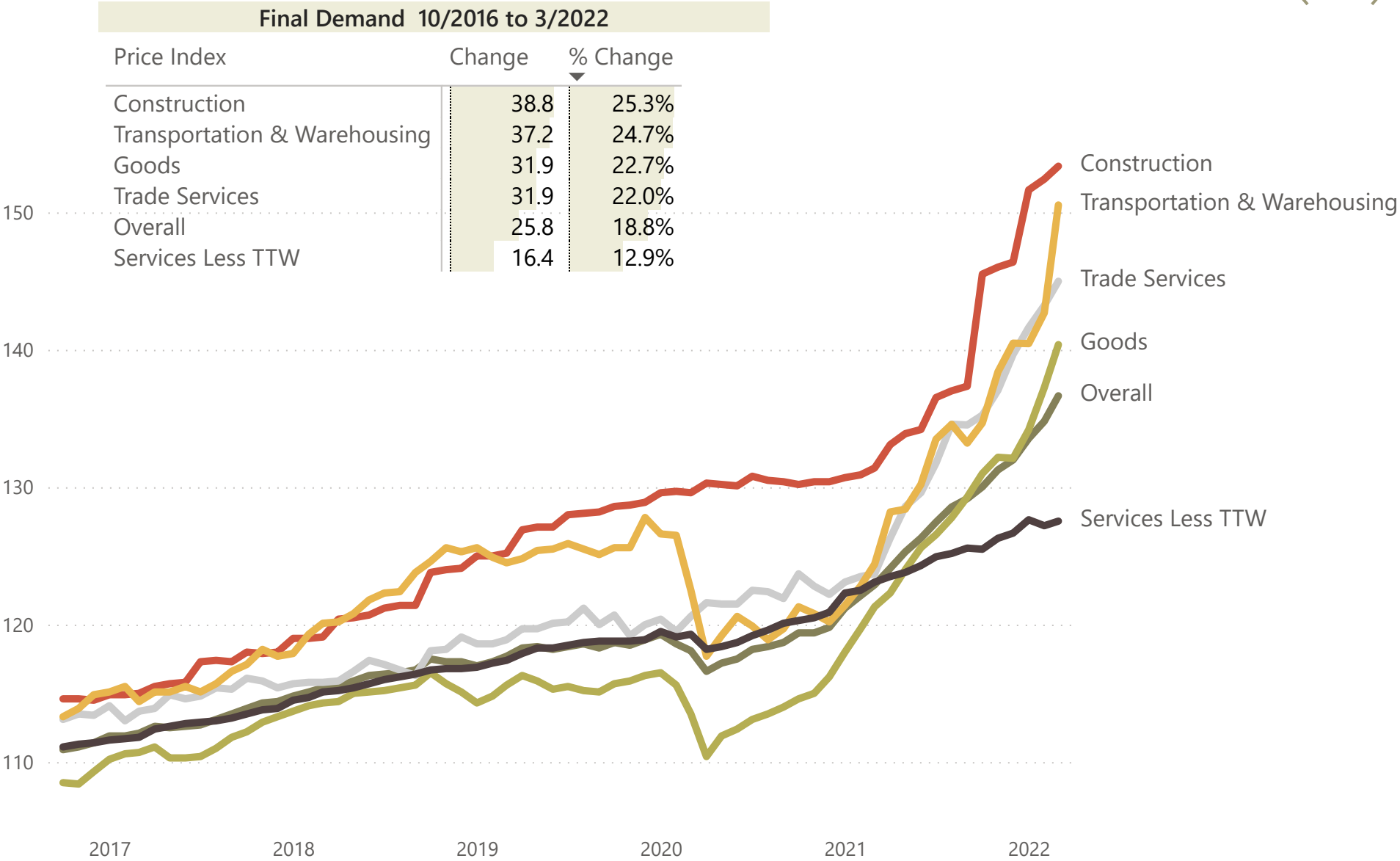
Goods
- ☒

Construction
- ☒

Trade Services
- ☒

Transportation & Warehousing
- ☒

Services Less TTW

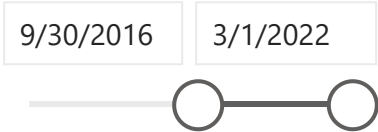


Producer Price Index

Comparative Changes

Section Navigation

GDP Overview

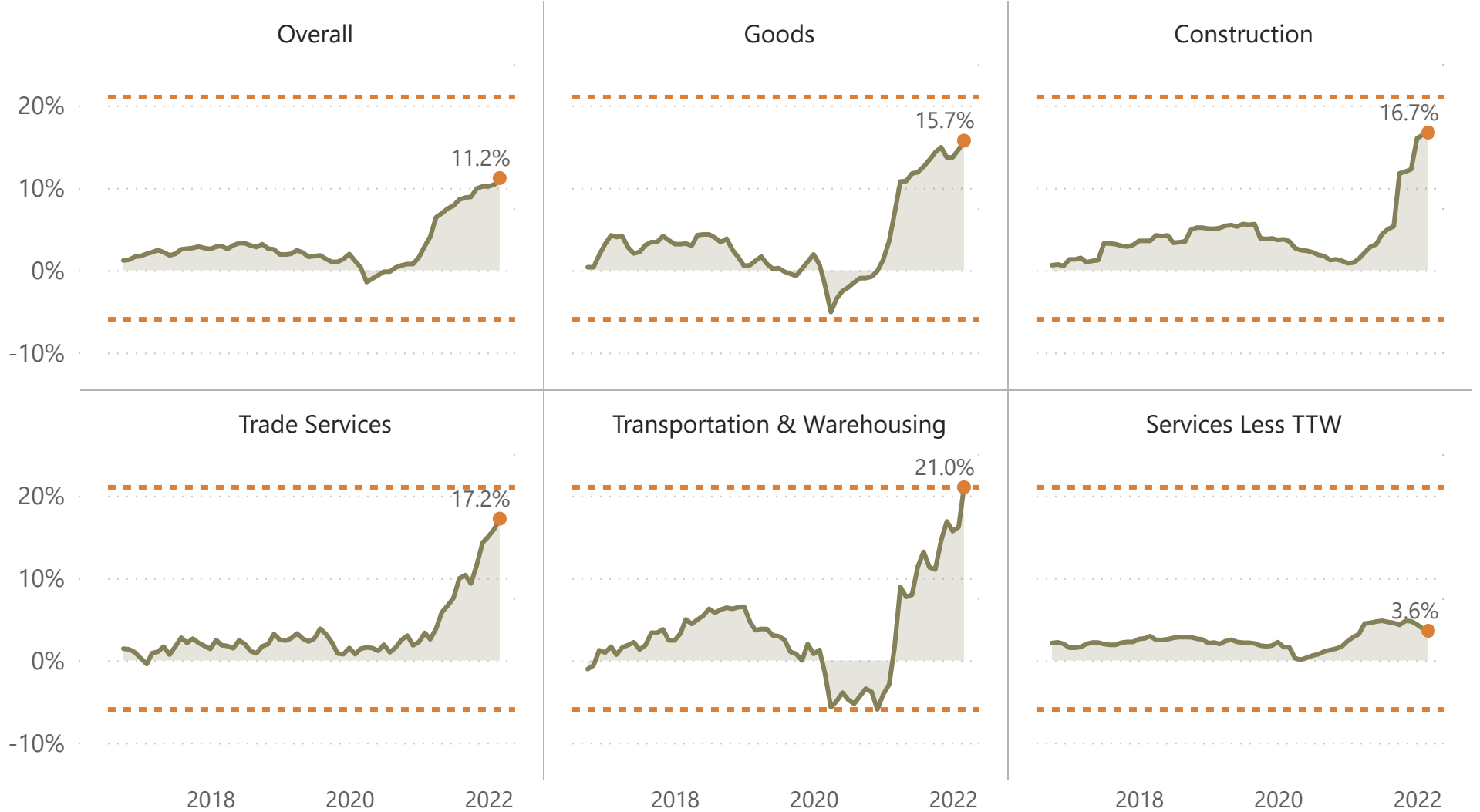


- Final Demand
- ☒ Select all
 - ☒ Overall
 - ☒ Goods
 - ☒ Construction
 - ☒ Trade Services
 - ☒ Transportation & Warehousing
 - ☒ Services Less TTW

- Comparitive Measure
- ☐ Value
 - ☐ MoM
 - ☐ MoM %
 - ☐ YoY
 - ☒ YoY %

- Recessions
- ☐ Show
 - ☒ Hide

PPI Final Demand YoY % Change 10/2016 to 3/2022



Durable Goods

New Orders

Frequency: Monthly
Importance: Very High

Section Navigation

GDP Overview

Go

Durable Goods as of 3/1/2022

	Value		MoM%		YoY%
New Orders	275,776.0	▲	1.1%	▲	10.5%
Capital Goods	101,641.0	▼	-0.9%	▲	13.3%
Inventories	483,444.0	▲	0.8%	▲	10.0%
Shipments	274,809.0	▲	1.4%	▲	11.1%
Unfilled Orders	1,294,790.0	▲	0.4%	▲	8.3%

Durable Goods Orders

New Orders

Section Navigation

GDP Overview

Go

9/30/2016

3/1/2022

Data displayed for March 1, 2022

New Orders

	Value	MoM%	YoY%
New Orders	275,776.0	1.1% ▲	10.5% ▲
Defense	12,874.0	-5.6% ▼	-6.4% ▼
Transportation	83,897.0	0.4% ▲	13.6% ▲

New Orders Ex Defense & Transportation

	Value	MoM%	YoY%
Ex Defense	262,902.0	1.4% ▲	11.5% ▲
Ex Transportation	191,879.0	1.4% ▲	9.3% ▲
Ex Defense & Transportation	179,005.0	1.9% ▲	10.6% ▲

Capital Goods

	Value	MoM%	YoY%
Capital Goods	101,641.0	-0.9% ▼	13.3% ▲
Nondefense	90,357.0	-0.2% ▼	16.7% ▲
Nondefense Ex Aircraft	81,113.0	1.3% ▲	10.6% ▲

Primary Metals

	Value	MoM%	YoY%
Primary Metals	25,726.0	2.2% ▲	17.2% ▲
.			

Inventories

	Value	MoM%	YoY%
Inventories	483,444.0	0.8% ▲	10.0% ▲
Ex Defense Aircraft	12,648.0	0.5% ▲	3.0% ▲

Unfilled Orders & Shipments

	Value	MoM%	YoY%
Unfilled Orders	1,294,790.0	0.4% ▲	8.3% ▲
Shipments	274,809.0	1.4% ▲	11.1% ▲



Comparative Periods



Trailing 12 Months

- ☐ Current
- ☒ MoM %
- ☐ YoY %

Section Navigation

GDP Overview



Go



Metric 1

- ☐ New Orders
- ☐ New Orders Ex Transportation
- ☐ New Orders Ex Defense & Transportation
- ☒ Capital Goods
- ☐ Nondefense Capital Goods
- ☐ Nondefense Capital Goods Ex Aircraft
- ☐ Primary Metals
- ☐ Shipments
- ☐ Unfilled Orders
- ☐ Inventories
- ☐ Inventories Ex Defense Aircraft
- ☐ No selection

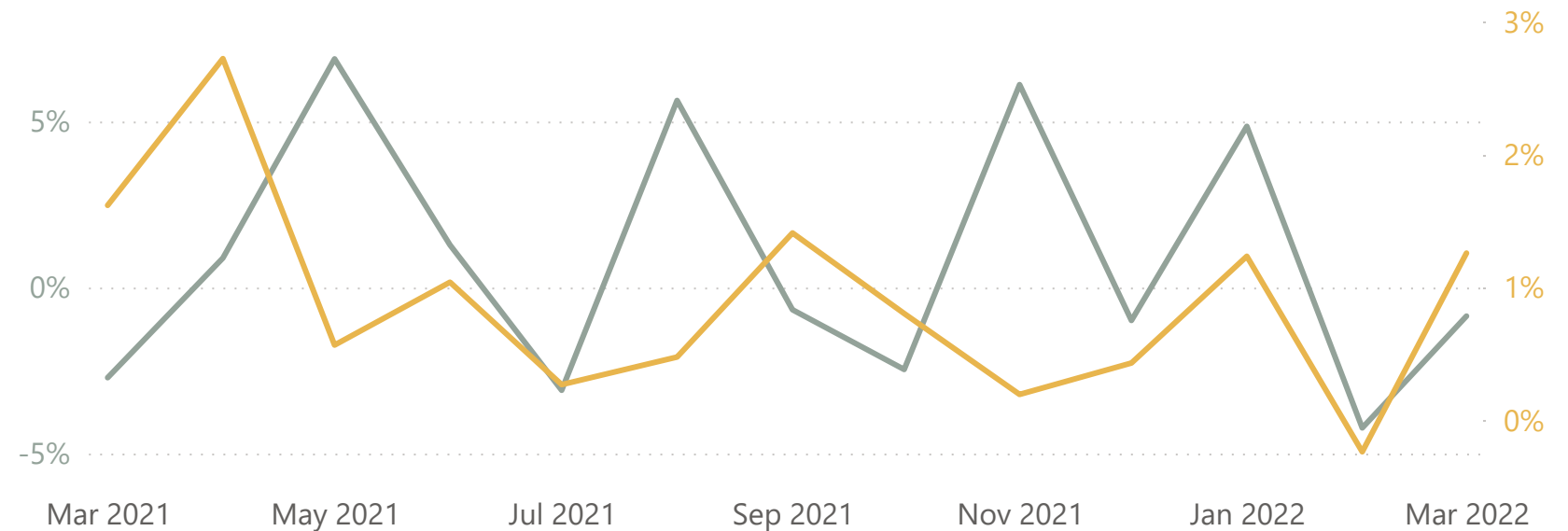
Metric 2

- ☐ New Orders
- ☐ New Orders Ex Transportation
- ☐ New Orders Ex Defense & Transportation
- ☐ Capital Goods
- ☐ Nondefense Capital Goods
- ☒ Nondefense Capital Goods Ex Aircraft
- ☐ Primary Metals
- ☐ Shipments
- ☐ Unfilled Orders
- ☐ Inventories
- ☐ Inventories Ex Defense Aircraft
- ☐ No selection

Durable Goods New Orders

Capital Goods (Metric 1) and Nondefense Capital Goods Ex Aircraft (Metric 2)

● Metric 1 ● Metric 2



3/1/2021 4/1/2021 5/1/2021 6/1/2021 7/1/2021 8/1/2021 9/1/2021 10/1/2021 11/1/2021 12/1/2021

Metric 1	-2.7%	0.9%	6.9%	1.3%	-3.1%	5.6%	-0.7%	-2.5%	6.1%	-1.1%
Metric 2	1.6%	2.7%	0.6%	1.0%	0.3%	0.5%	1.4%	0.8%	0.2%	0.0%

< >