

Decoding the GDP

GDP

Inflation

Durable Goods

Cover

GDP Overview

GDP

Inflation Overview

PCE Deflator

PPI Final Demand

PPI Comparative Changes

Durable Goods Overview

Durable Goods

Durable Goods Chart

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.

Section Navigation

GDP Overview

Go

GDP

Real GDP

Frequency: Quarterly

Importance: Medium to High

Real GDP -- Most Recent Quarter 7/1/2021

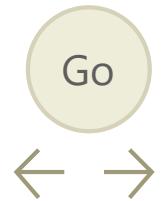
GDP	19,465.2
QoQ%	▲ 2.0%
YoY%	▲ 4.9%

GDP

Real, Seasonally Adjusted

Section Navigation

GDP Overview



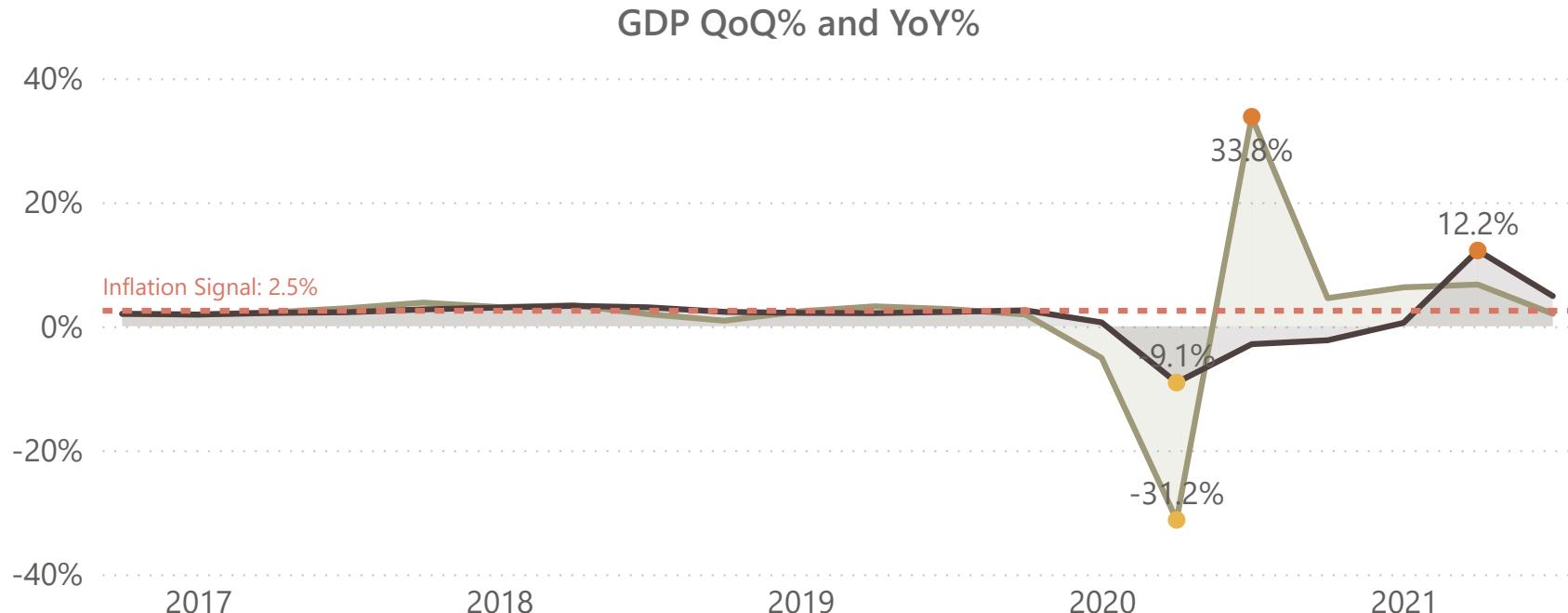
9/30/2016 7/1/2021

Inflation % Signal

- 2.00%
- 2.50%
- 3.00%
- 3.50%

Recessions

- Show
- Hide



	10/1/2019	1/1/2020	4/1/2020	7/1/2020	10/1/2020	1/1/2021	4/1/2021	7/1/2021
GDP QoQ%	1.9%	-5.1%	-31.2%	33.8%	4.5%	6.3%	6.7%	2.0%
GDP YoY%	2.6%	0.6%	-9.1%	-2.9%	-2.3%	0.5%	12.2%	4.9%
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 7/1/2021

PCE Deflator	116.2
QoQ%	▲ 5.3%
YoY%	▲ 4.3%

Producer Prices as of 11/1/2021

	Value	MoM%	YoY%
Overall	131.0	▲ 0.8%	▲ 9.7%
Goods	132.3	▲ 1.2%	▲ 15.1%
Construction	146.4	▲ 0.3%	▲ 12.3%
Transportation & Warehousing	137.2	▲ 1.9%	▲ 13.8%
Trade Services	136.1	▲ 0.6%	▲ 10.8%
Services Less TTW	126.1	▲ 0.6%	▲ 4.8%

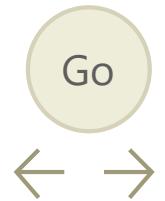
PCE Deflator Index

Inflation Guage

Section Navigation

GDP Overview

Go



9/30/2016 7/1/2021

A diagram consisting of two identical circles at the ends of a single horizontal line segment. The line segment connects the centers of the two circles.

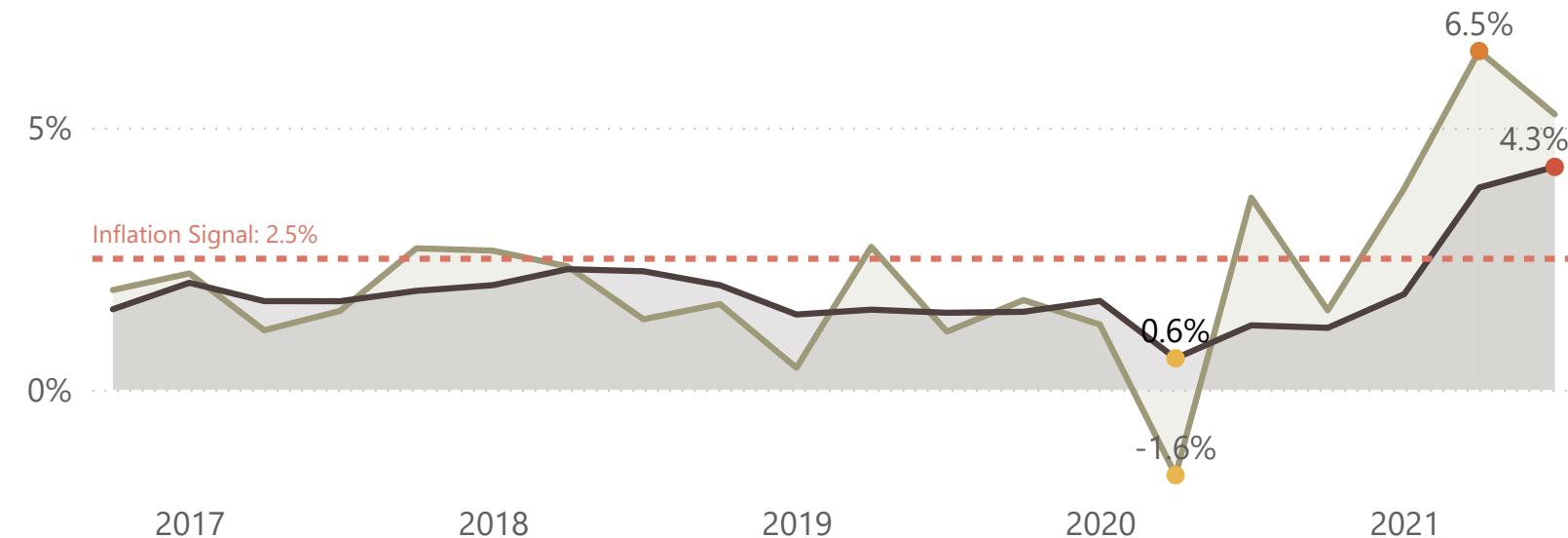
Inflation % Signal

- 2.00%
 - 2.50%
 - 3.00%
 - 3.50%

Recessions

- Show
 - Hide

PCE Deflator QoQ% and YoY%



	10/1/2019	1/1/2020	4/1/2020	7/1/2020	10/1/2020	1/1/2021	4/1/2021	7/1/2021
Deflator QoQ%	1.7%	1.2%	-1.6%	3.7%	1.5%	3.8%	6.5%	5.3%
Deflator YoY%	1.5%	1.7%	0.6%	1.2%	1.2%	1.8%	3.9%	4.3%
Inflation				●		●	●	●

Producer Price Index

Final Demand

Section Navigation

GDP Overview

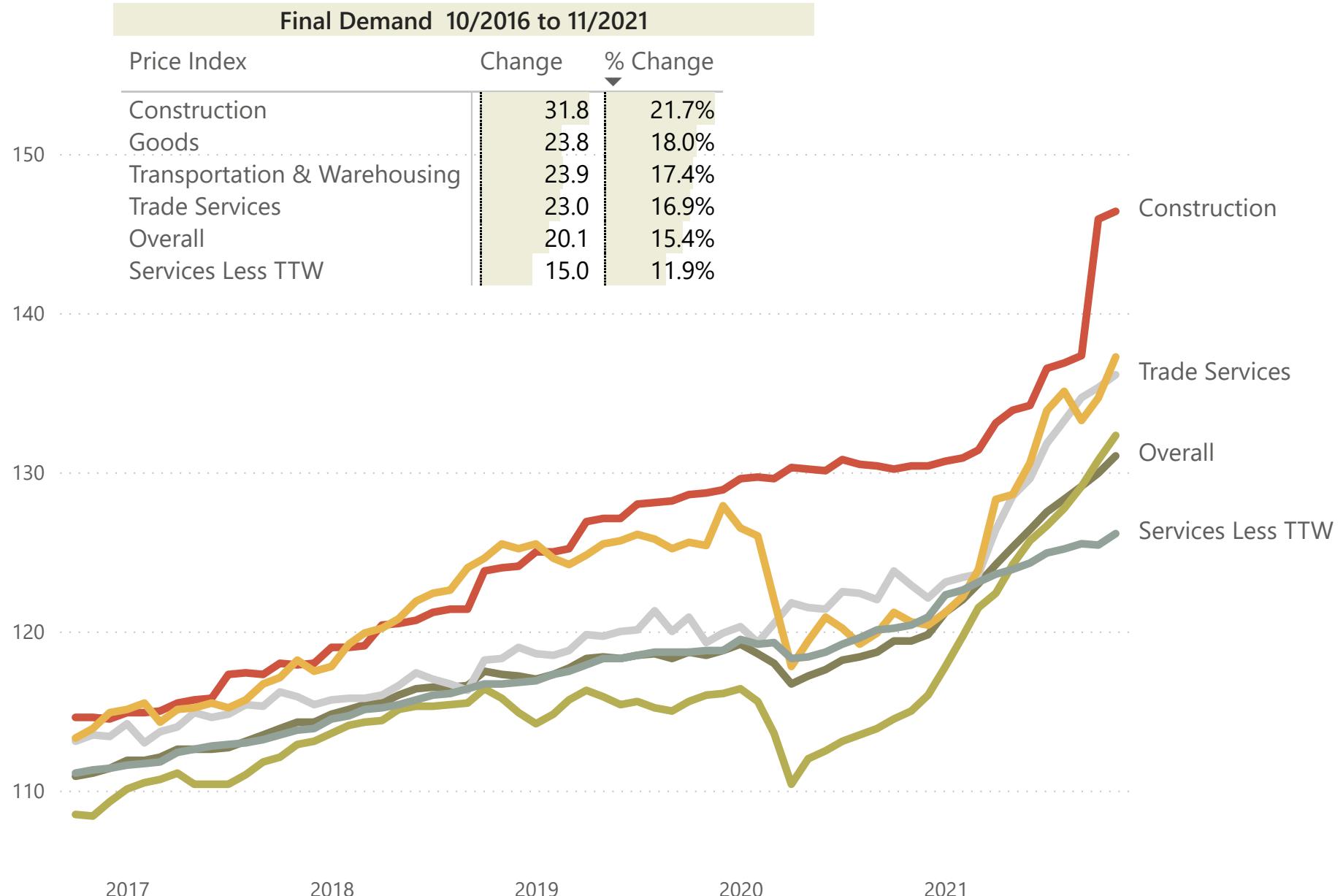
Go



9/30/2016 11/30/2021

Final Demand

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



Producer Price Index

Comparative Changes

Section Navigation

GDP Overview



9/30/2016 11/30/2021

Final Demand

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

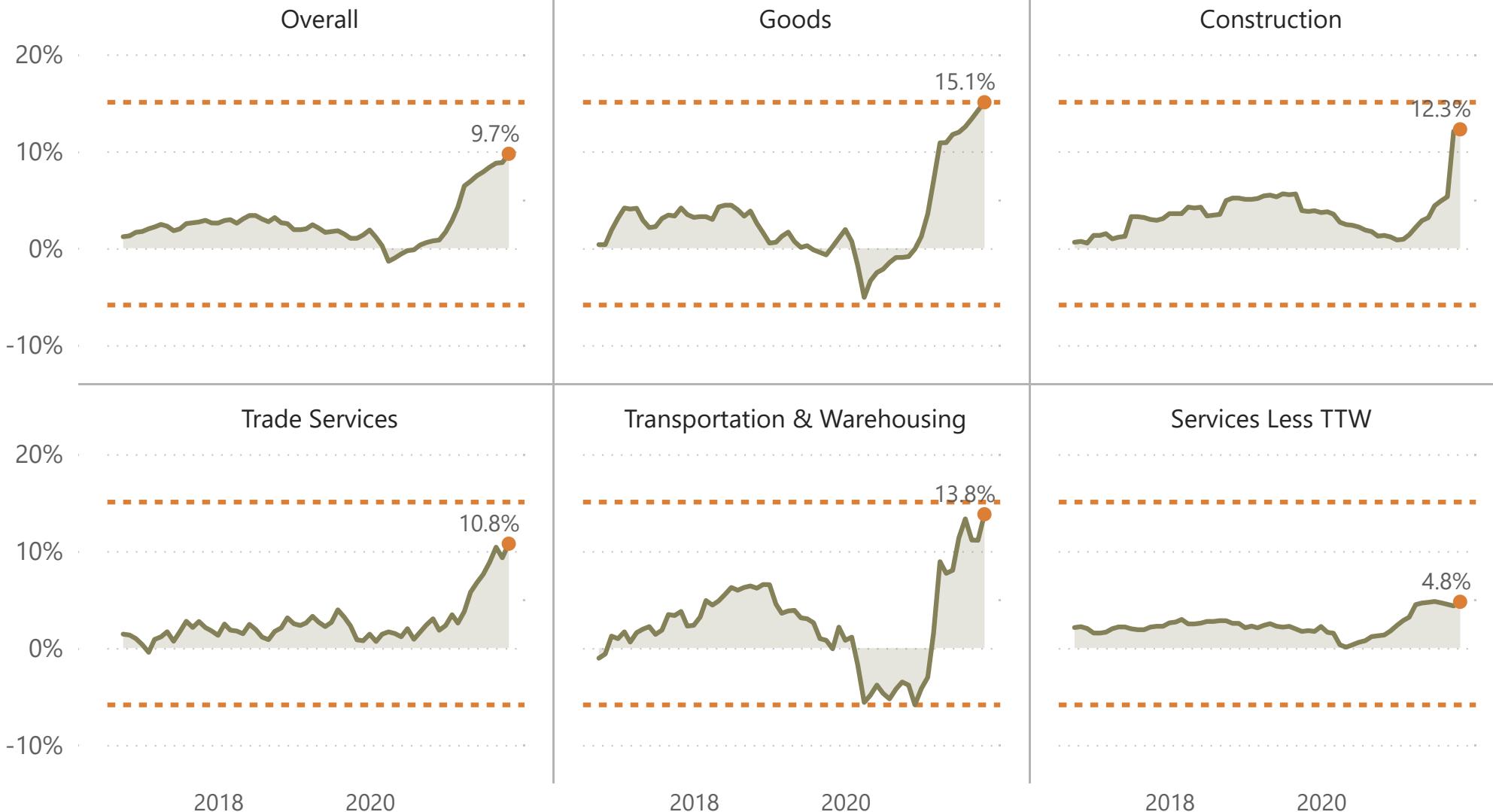
Comparative Measure

- Value
- MoM
- MoM %
- YoY
- YoY %

Recessions

- Show
- Hide

PPI Final Demand YoY % Change 10/2016 to 11/2021



Durable Goods

New Orders

Frequency: Monthly

Importance: Very High

Section Navigation

GDP Overview

Go



Durable Goods as of 11/1/2021

	Value	MoM%	YoY%
New Orders	268,251.0	▲ 2.5%	▲ 14.7%
Capital Goods	102,550.0	▲ 5.5%	▲ 27.0%
Inventories	469,559.0	▲ 0.6%	▲ 8.4%
Shipments	263,574.0	▲ 0.7%	▲ 9.9%
Unfilled Orders	1,259,882.0	▲ 0.7%	▲ 6.5%

Durable Goods Orders

New Orders

9/30/2016 11/30/2021



Data displayed for November 1, 2021

New Orders

	Value	MoM%	YoY%
New Orders	268,251.0	2.5%	14.7%
Defense	15,611.0	11.7%	15.8%
Transportation	82,059.0	6.5%	17.9%

Capital Goods

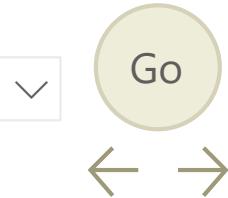
	Value	MoM%	YoY%
Capital Goods	102,550.0	5.5%	27.0%
Nondefense	88,581.0	4.0%	28.5%
Nondefense Ex Aircraft	78,801.0	-0.1%	11.7%

Inventories

	Value	MoM%	YoY%
Inventories	469,559.0	0.6%	8.4%
Ex Defense Aircraft	12,630.0	0.6%	3.6%

Section Navigation

GDP Overview



New Orders Ex Defense & Transportation

	Value	MoM%	YoY%
Ex Defense	252,640.0	2.0%	14.7%
Ex Transportation	186,192.0	0.8%	13.4%
Ex Defense & Transportation	170,581.0	-0.1%	13.1%

Primary Metals

	Value	MoM%	YoY%
Primary Metals	24,527.0	0.3%	22.2%
.			

Unfilled Orders & Shipments

	Value	MoM%	YoY%
Unfilled Orders	1,259,882.0	0.7%	6.5%
Shipments	263,574.0	0.7%	9.9%

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

Comparative Periods

- Current
- MoM %
- YoY %

■ Trailing 12 Months

Section Navigation

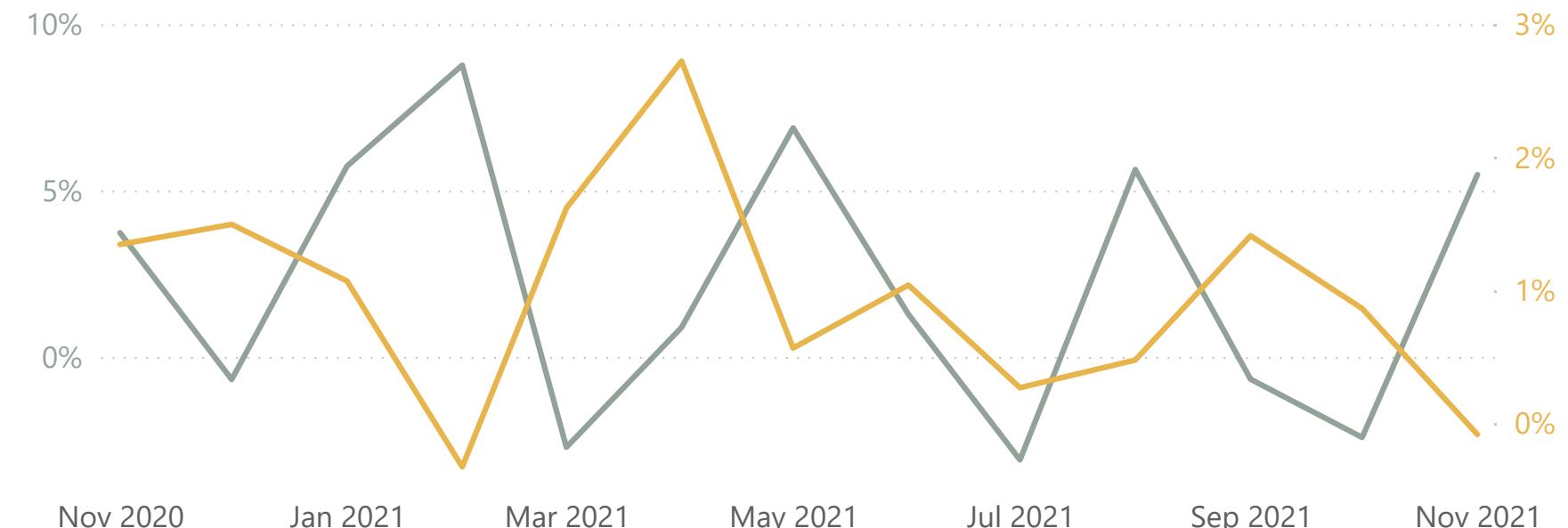
GDP Overview

Go

Durable Goods New Orders

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

● Metric 1 ● Metric 2



11/1/2020 12/1/2020 1/1/2021 2/1/2021 3/1/2021 4/1/2021 5/1/2021 6/1/2021 7/1/2021 8/1/2021

Metric 1	3.7%	-0.7%	5.7%	8.8%	-2.7%	0.9%	6.9%	1.3%	-3.1%	5.6
Metric 2	1.3%	1.5%	1.1%	-0.3%	1.6%	2.7%	0.6%	1.0%	0.3%	0.5

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