

# Decoding the GDP

GDP

Inflation

Durable Goods

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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.

# GDP

## Real GDP

**Frequency:** Quarterly  
**Importance:** Medium to High

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

GDP		19,465.2
QoQ%	▲	2.0%
YoY%	▲	4.9%

# GDP

Real, Seasonally Adjusted

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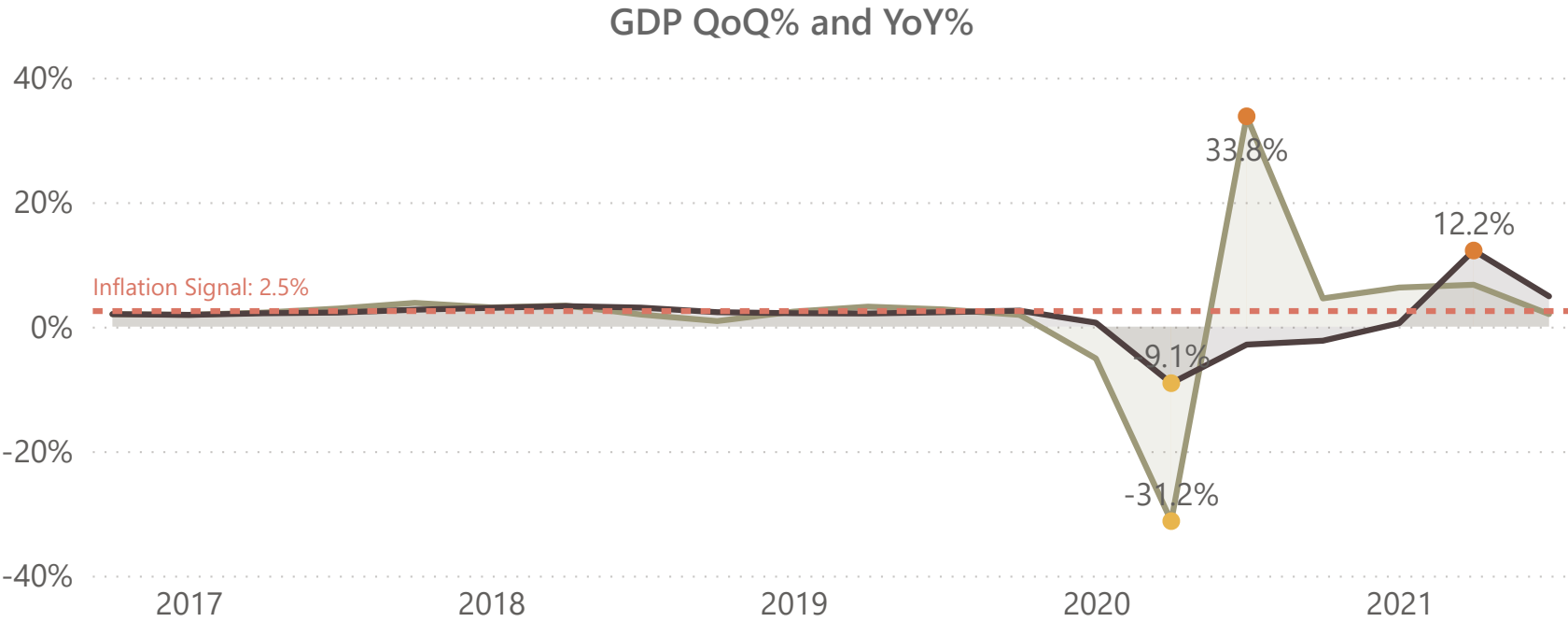
9/30/20167/1/2021

Inflation % Signal

2.00%2.50%3.00%3.50%

Recessions

ShowHide



	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

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### 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

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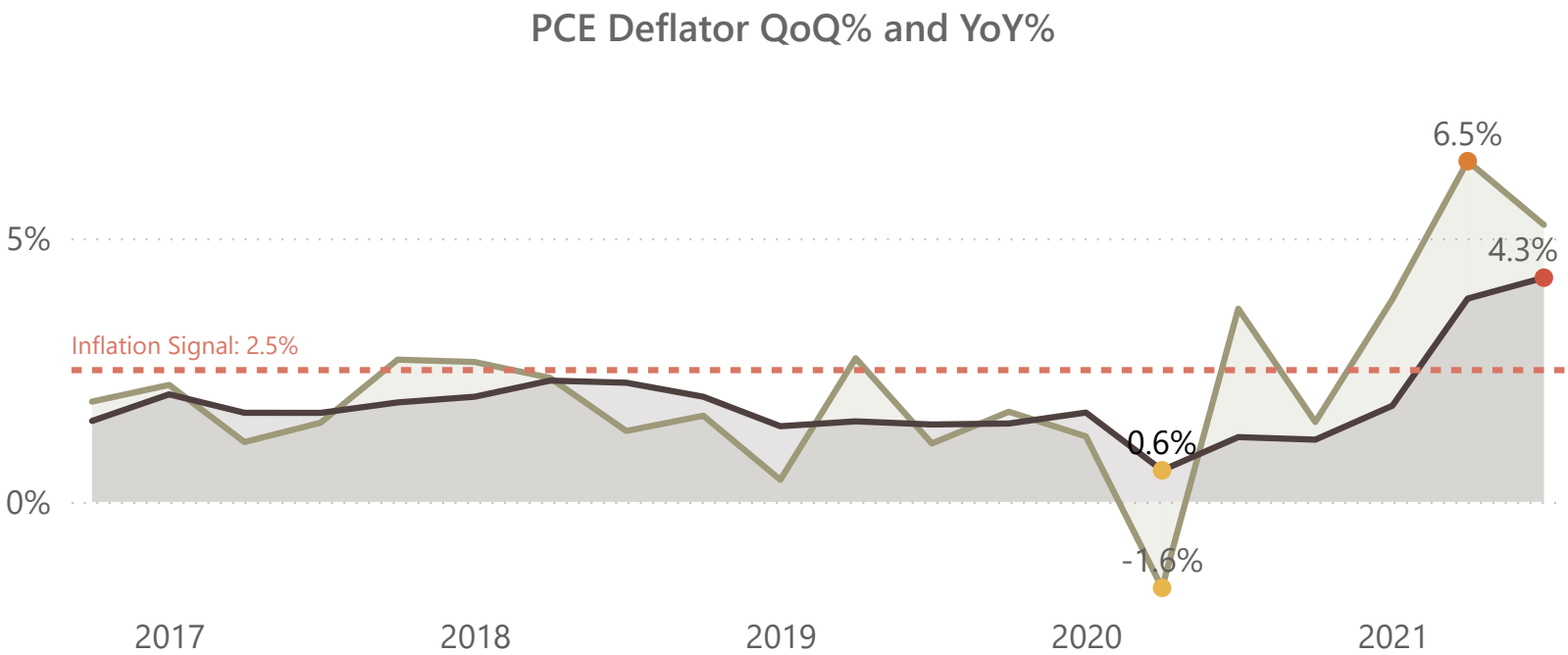
9/30/20167/1/2021

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
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

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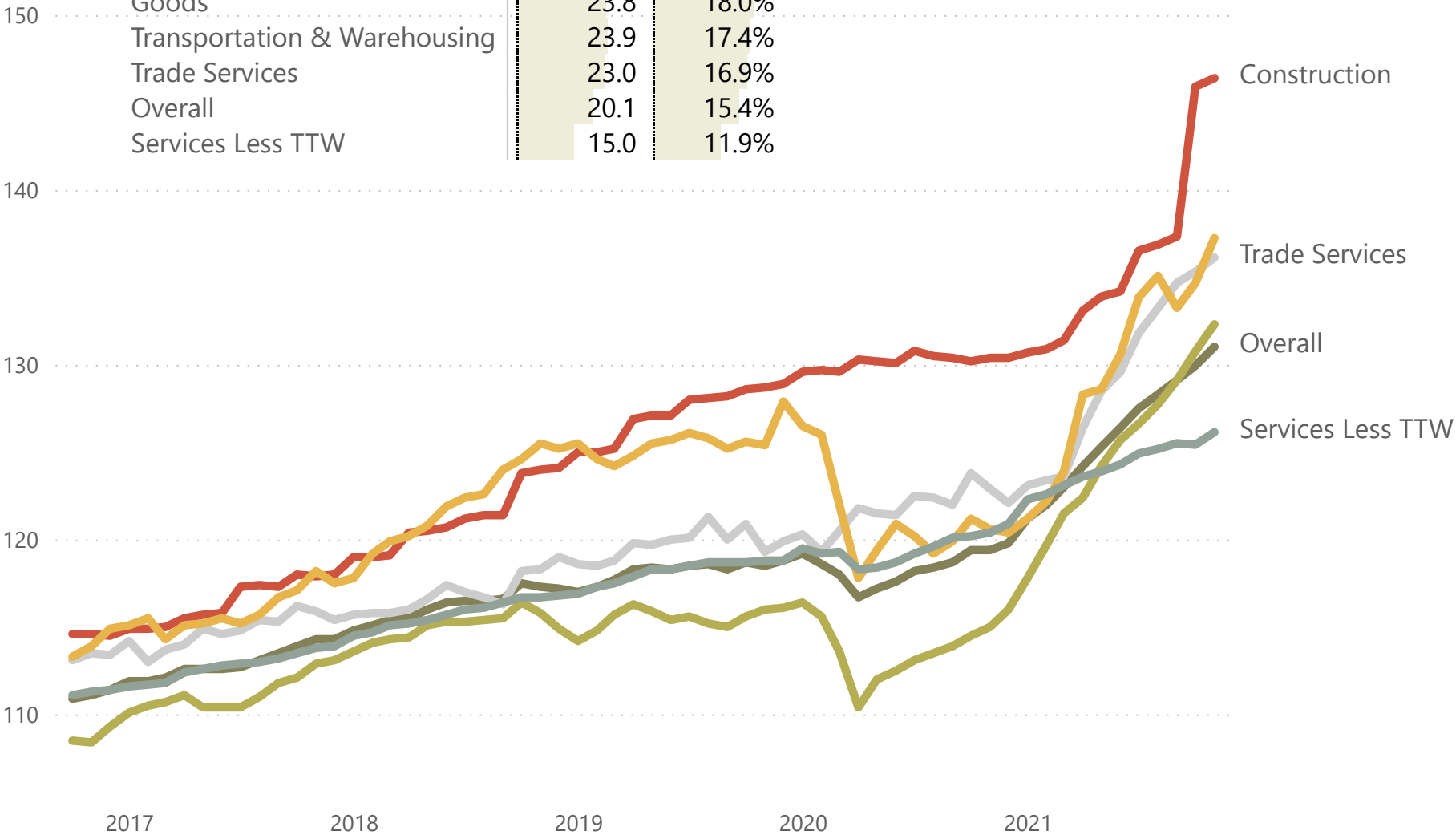
Go

9/30/2016 11/30/2021

Final Demand 10/2016 to 11/2021

Price Index	Change	% Change
Construction	31.8	21.7%
Goods	23.8	18.0%
Transportation & Warehousing	23.9	17.4%
Trade Services	23.0	16.9%
Overall	20.1	15.4%
Services Less TTW	15.0	11.9%

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



# Producer Price Index

## Comparative Changes

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9/30/2016 11/30/2021

### Final Demand

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

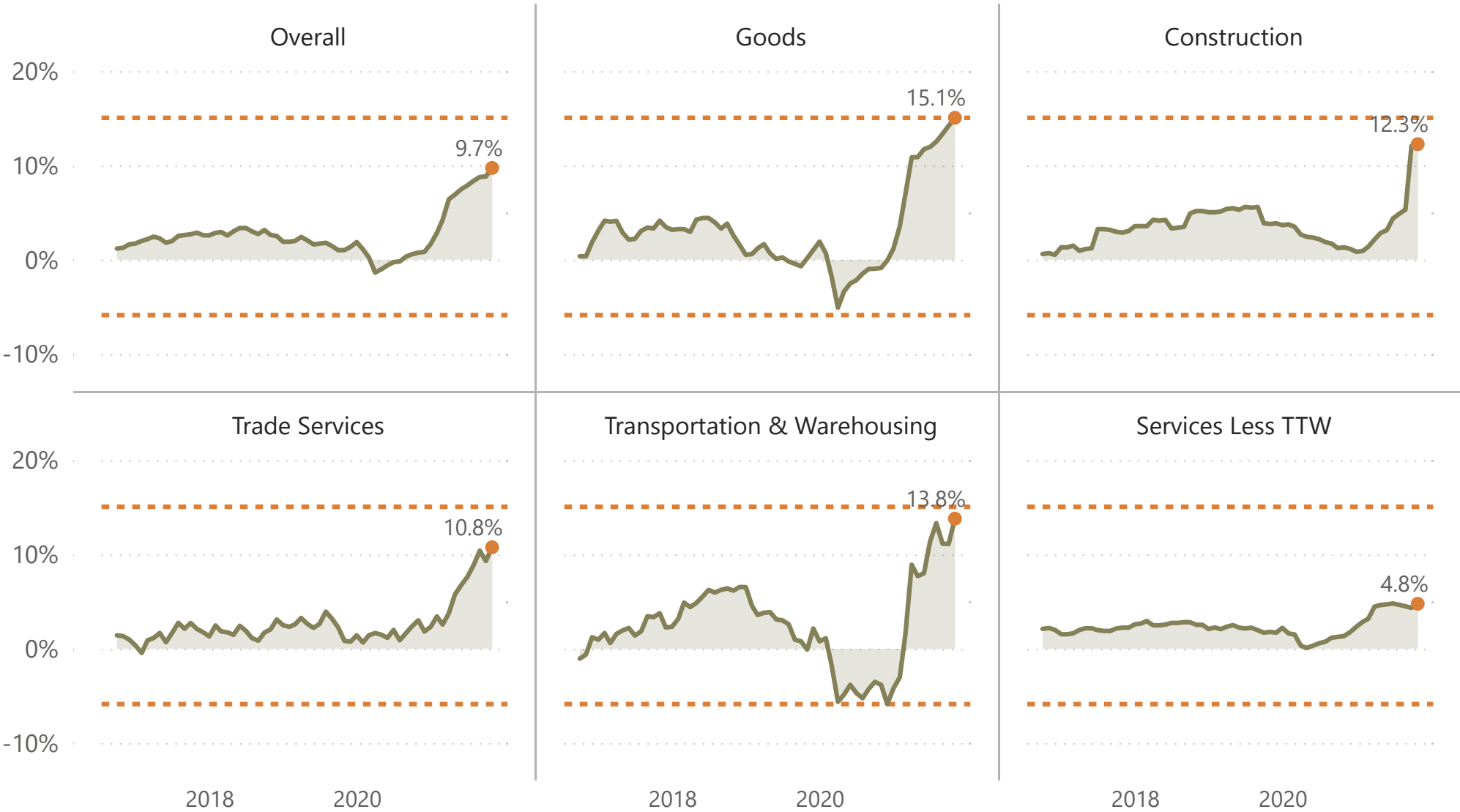
### Comparative Measure

- ☐ 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

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### 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%

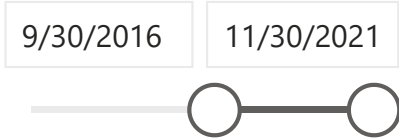


# Durable Goods Orders

## New Orders

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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% ▲

### 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% ▲

### 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% ▲

### Primary Metals

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

### Inventories

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

### Unfilled Orders & Shipments

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



Comparative Periods

- ☐ Current
- ☒ MoM %
- ☐ YoY %

Trailing 12 Months

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Metric 1

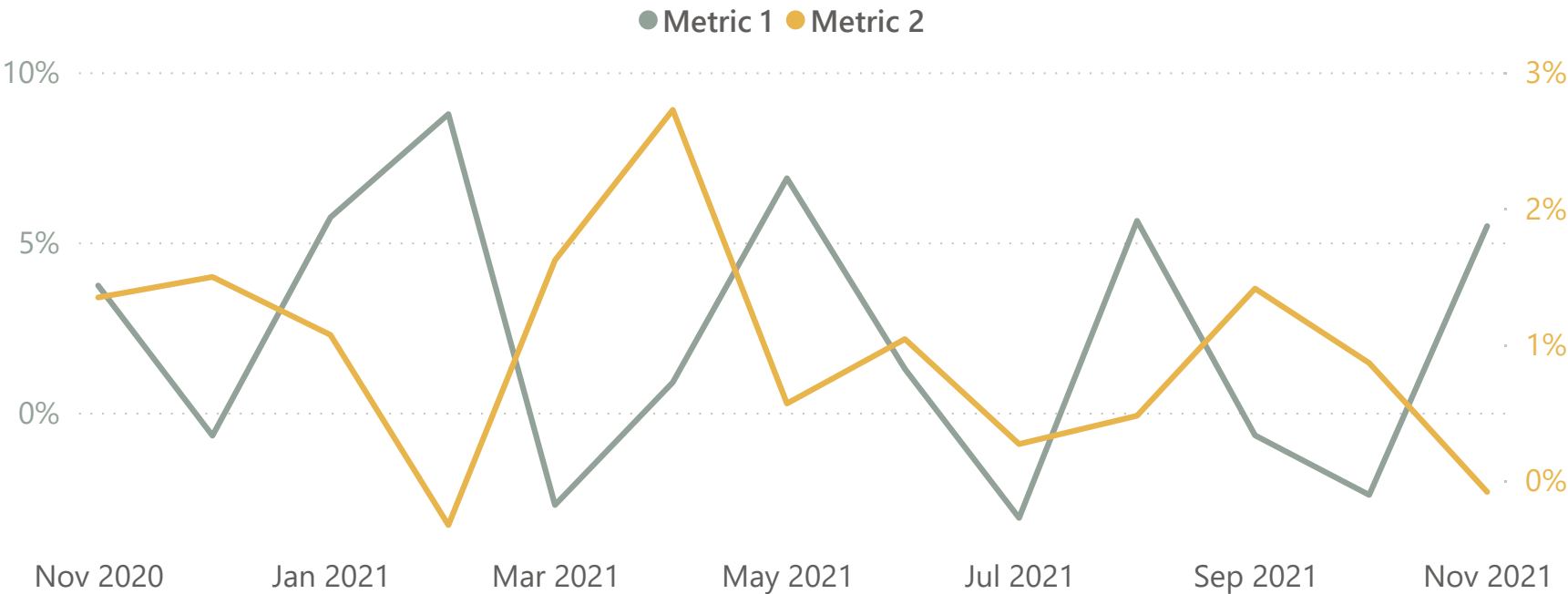
- ☐ New Orders
- ☐ New Orders Ex Transportation
- ☐ New Orders Ex Defense & Transportation
- ☒ Capital Goods
- ☐ Nondefense Capital Goods
- ☐ Nondefense Capital Goods Ex Aircraft
- ☐ Primary Metals
- ☐ Shipments
- ☐ Unfilled Orders
- ☐ Inventories
- ☐ Inventories Ex Defense Aircraft
- ☐ No selection

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)



	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%