

Statistical bulletin

Producer price inflation, UK: December 2021 including services, October to December 2021

Changes in the prices of goods bought and sold by UK manufacturers, including price indices of materials and fuels purchased and factory gate prices. Quarterly estimates monitoring the changes in prices for services provided to UK-based customers.



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Table of contents

1. [Main points](#)
2. [Analysis](#)
3. [Producer price inflation data](#)
4. [Glossary](#)
5. [Measuring the data](#)
6. [Strengths and limitations](#)
7. [Related links](#)

1 . Main points

- The headline rate of output prices showed positive growth of 9.3% on the year to December 2021, down from 9.4% in November 2021.
- The headline rate of input prices showed positive growth of 13.5% on the year to December 2021, down from 15.2% in November 2021.
- Petroleum products, and metals and non-metallic mineral products provided the largest upward contributions to the annual rates of output and input inflation respectively.
- The annual rate for the Services Producer Price Index (SPPI) showed positive growth of 3.6% in Quarter 4 (Oct to Dec) 2021, up from 3.4% in Quarter 3 (July to Sept) 2021.
- Transportation and storage services provided the largest upward contribution to the annual rate.

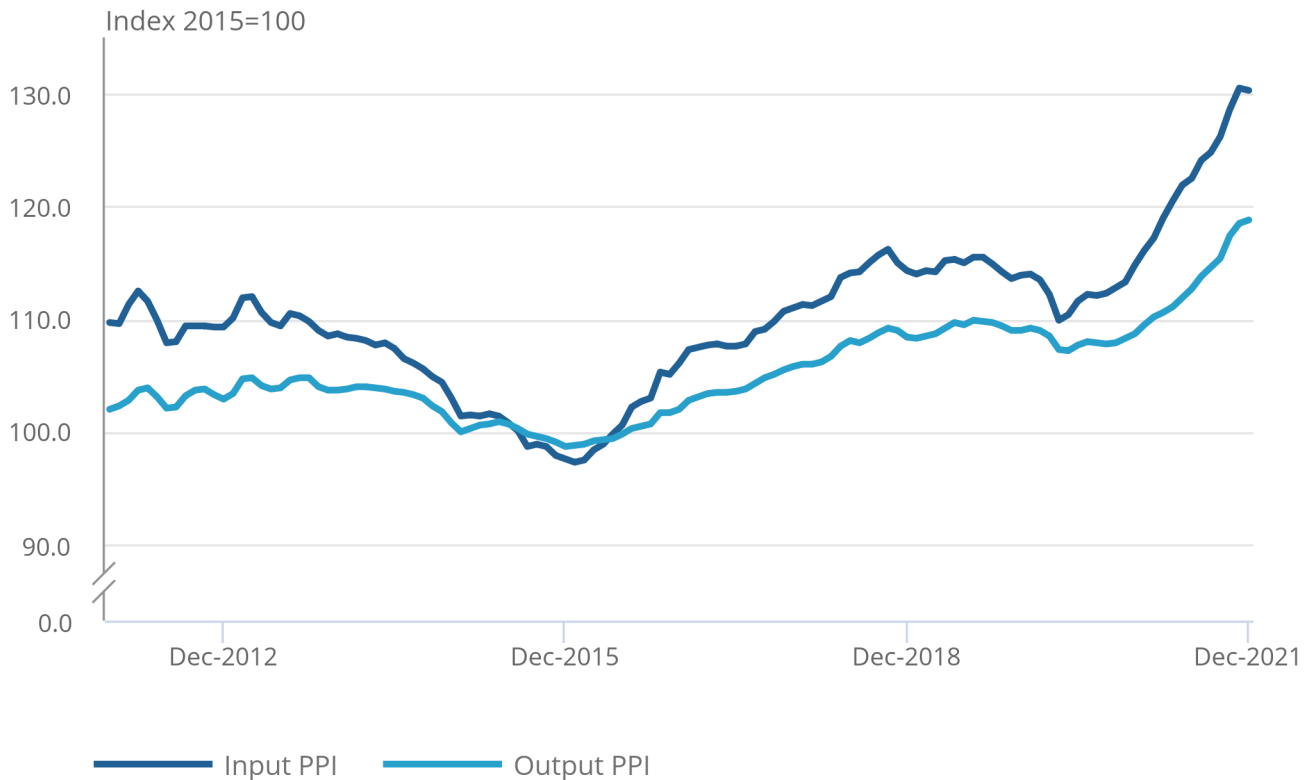
2 . Analysis

Figure 1: Input producer price inflation (PPI) is more volatile over time than output inflation

Input and output PPI, UK, December 2011 to December 2021

Figure 1: Input producer price inflation (PPI) is more volatile over time than output inflation

Input and output PPI, UK, December 2011 to December 2021



Source: Office for National Statistics – Producer Price Index

On the month, the rate of output inflation was 0.3% in December 2021, down from 1.0% in November 2021 (Table 1).

Table 1: Output prices, index values, growth rates and percentage point change to the 12-month rate
UK, December 2020 to December 2021

All manufactured products (GB7S)

	PPI Index (2015=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)
2020 Dec	108.7	0.4	-0.2	0.4
2021 Jan	109.5	0.7	0.2	0.4
Feb	110.2	0.7	1.0	0.8
Mar	110.6	0.4	1.9	0.9
Apr	111.1	0.4	3.5	1.6
May	111.9	0.7	4.4	0.9
June	112.7	0.8	4.6	0.2
July	113.8	1.0	5.4	0.8
Aug	114.6	0.7	6.2	0.8
Sept	115.4	0.7	7.0	0.8
Oct	117.4	1.7	8.8	1.8
Nov	118.5	1.0	9.4	0.6
Dec	118.8	0.3	9.3	-0.1

Source: Office for National Statistics - Producer Price index

Notes

1. Rates may not correspond to index value changes because of rounding.

Of the 10 product groups, nine showed positive annual growth in December 2021. Petroleum provided the largest upward contribution of 2.24 percentage points to the annual rate (Figure 2) and had annual price growth of 68.1% in December 2021 (Table 2).

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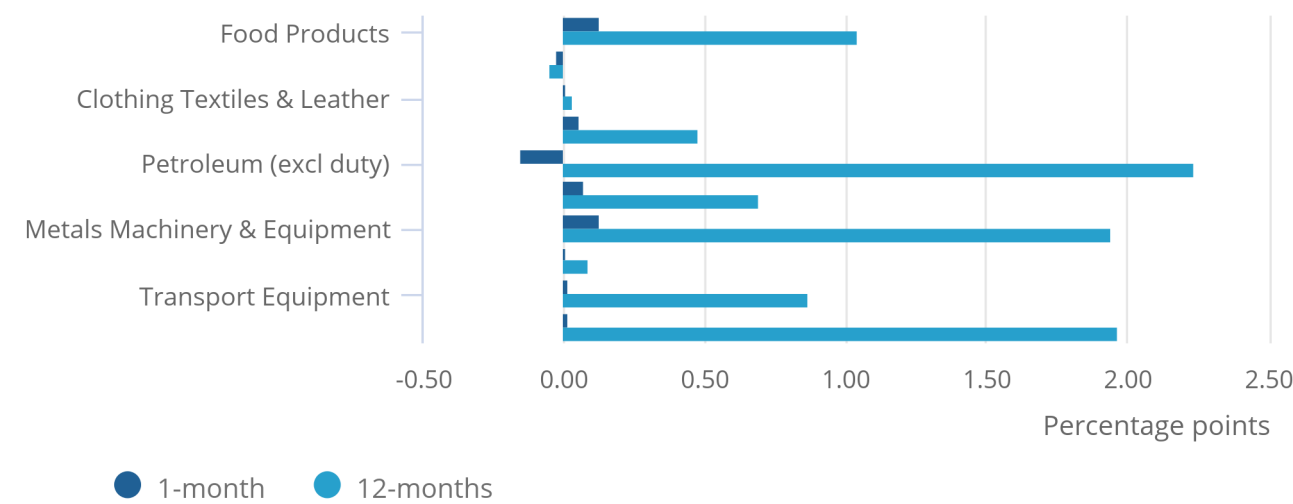
- All ONS analysis, summarised in our [economy, business and jobs roundup](#).
- Explore the latest trends in employment, prices and trade in our [economic dashboard](#).
- View [all economic data](#).

Figure 2: Petroleum provided the largest upward contribution to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, December 2021

Figure 2: Petroleum provided the largest upward contribution to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, December 2021



Source: Office for National Statistics - Producer Price Index

Notes:

1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 2: Output prices, growth rates
UK, December 2021

Product group	Percentage Change	
	1-month rate	12-month rate
Food products	0.6	5.0
Tobacco and alcohol (excl. duty)	-0.9	-1.5
Clothing, textile and leather	1.2	3.8
Paper and printing	1.0	8.8
Petroleum products (excl. duty)	-2.8	68.1
Chemical and pharmaceutical	1.5	14.8
Metal, machinery and equipment	0.9	13.8
Computer, electrical and optical	0.5	4.4
Transport equipment	0.2	2.0
Other manufactured products	0.1	8.2
All manufacturing	0.3	9.3

Source: Office for National Statistics - Producer Price index

The annual rate of output inflation decreased by 0.1 percentage points from 9.4% in November 2021 to 9.3% in December 2021; this is the first time the annual rate of output inflation has slowed since May 2020.

Of the 10 product groups, four showed downward contributions to the change in the rate, with transport equipment providing the largest at negative 1.84 percentage points (Figure 3).

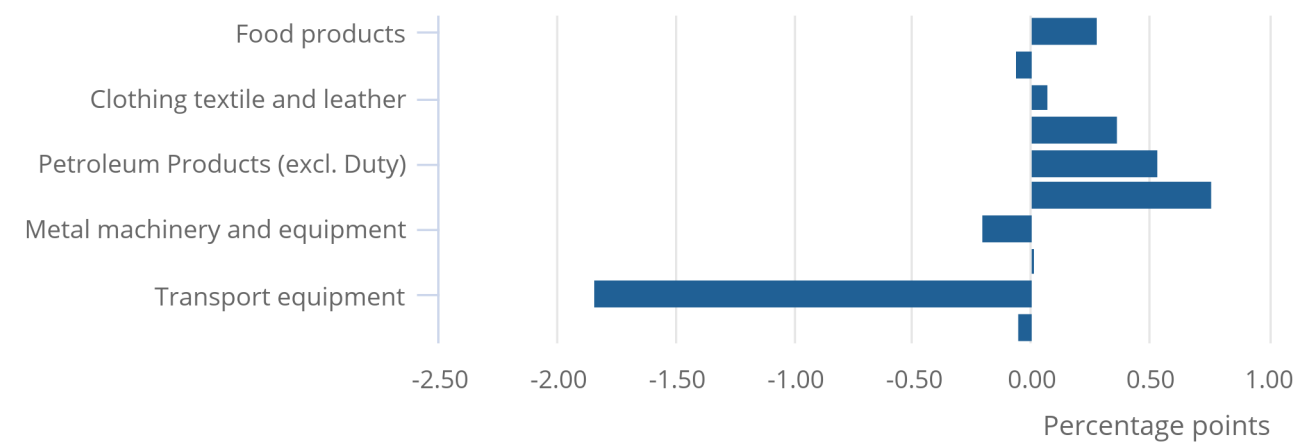
Despite providing the largest downward contribution to the change in the annual rate, the annual rate for transport equipment increased by 0.1 percentage points from 1.9% in November 2021 to 2.0% in December 2021 (Table 2). The downward contribution is driven by weight changes implemented as part of the move to annual chain-linking. More information is available in our [Chain-linking in business prices article](#). You can find out more about how these rates are calculated in [Section 5](#).

Figure 3: Transport equipment made the largest downward contribution to the change in the annual rate

Output PPI, contribution to change in the annual rate, UK, December 2021

Figure 3: Transport equipment made the largest downward contribution to the change in the annual rate

Output PPI, contribution to change in the annual rate, UK, December 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

On the month, the rate of input inflation was negative 0.2% in December 2021, down from 1.5% in November 2021 (Table 3); this is the first time the monthly rate has been negative since August 2020, and was mainly driven by crude oil and fuel with negative monthly rates of 7.9% and 11.2% respectively (Table 5).

Table 3: Input prices, index values, growth rates and percentage point change to the 12-month rate
UK, December 2020 to December 2021

All materials and fuels purchased (GHIP)

	PPI Index (2015=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)
2020 Dec	114.8	1.3	0.8	1.1
2021 Jan	116.1	1.1	1.9	1.1
Feb	117.2	0.9	3.2	1.3
Mar	119.0	1.6	6.1	2.9
Apr	120.5	1.2	9.7	3.6
May	121.9	1.1	10.4	0.7
June	122.5	0.6	9.7	-0.7
July	124.1	1.3	10.6	0.9
Aug	124.8	0.6	11.4	0.8
Sept	126.2	1.1	12.4	1.0
Oct	128.6	1.9	14.0	1.6
Nov	130.5	1.5	15.2	1.2
Dec	130.3	-0.2	13.5	-1.7

Source: Office for National Statistics - Producer Price index

Notes

1. Rates may not correspond to index value changes because of rounding.

The annual rate of imported inputs was 7.0% in December 2021 (Table 4), down from 7.6% in November 2021.

Table 4: Imported materials and fuels purchased and sterling effective exchange rate, index values, growth rates and percentage point change to the 12-month rate
UK, December 2020 to December 2021

Imported materials and fuels purchased (GD74)					Sterling effective exchange rate - month average (BK67)		
	PPI Index (2015=100)	1-month rate	12-month rate	12-Change in the month rate (percentage points)	Sterling Index (Jan 2005 =100)	1-month rate	12-month rate
2020 Dec	115.8	1.1	0.9	1.6	78.0	-0.3	-3.2
2021 Jan	116.2	0.4	0.9	0.0	79.0	1.3	-1.6
Feb	115.6	-0.5	0.1	-0.8	80.6	2.0	-0.1
Mar	116.9	1.2	0.7	0.6	81.7	1.4	6.4
Apr	118.3	1.2	5.4	4.7	81.3	-0.5	4.1
May	118.3	0.0	4.6	-0.8	82.0	0.9	6.4
June	118.7	0.3	4.4	-0.2	82.0	0.0	6.6
July	119.9	1.0	4.6	0.2	81.9	-0.1	6.5
Aug	119.3	-0.5	4.4	-0.2	82.0	0.1	5.0
Sept	120.7	1.1	4.8	0.4	81.6	-0.5	5.7
Oct	121.5	0.7	5.6	0.8	82.1	0.6	6.1
Nov	123.3	1.5	7.6	2.0	81.6	-0.6	4.3
Dec	123.9	0.4	7.0	-0.6	81.5	-0.1	4.5

Source: Office for National Statistics - Producer Price Index

Notes

1. Rates may not correspond to index value changes because of rounding.
2. Total imports (GD74) represents roughly a fifth of overall materials and fuels (input prices) in terms of index weight.

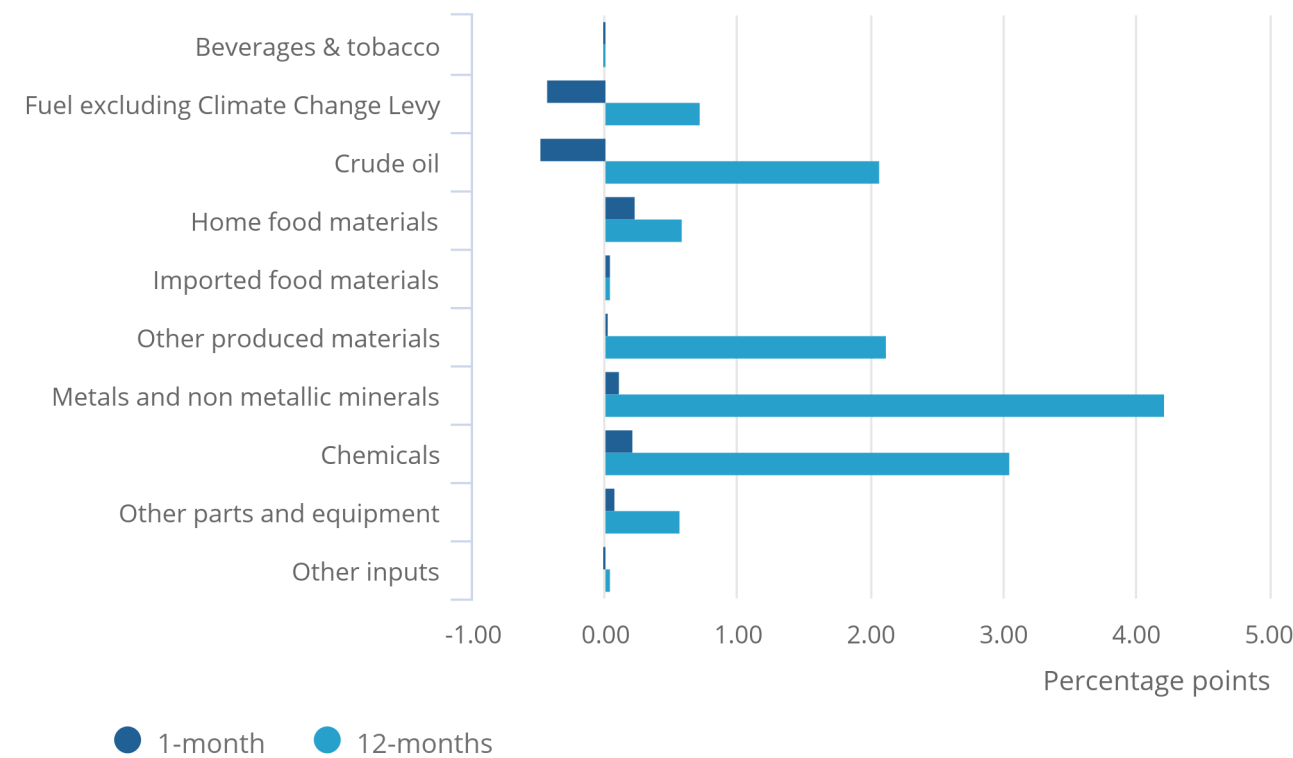
The largest upward contribution to the annual input inflation rate came from metals and non-metallic minerals, which contributed 4.23 percentage points (Figure 4) and had positive annual price growth of 20.9% in December 2021 (Table 5). This was mainly driven by basic iron and steel, and of ferro-alloys for domestic market.

Figure 4: Metals and non-metallic minerals provided the largest upward contribution to the annual rate

Input PPI, contribution to 1-month and 12-month growth rate, UK, December 2021

Figure 4: Metals and non-metallic minerals provided the largest upward contribution to the annual rate

Input PPI, contribution to 1-month and 12-month growth rate, UK, December 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 5: Input prices, growth rates
UK, December 2021

Product group	Percentage change	
	1-month rate	12-month rate
Beverages & tobacco	-1.0	-1.0
Fuel excluding Climate Change Levy	-11.2	22.2
Crude oil	-7.9	47.3
Home food materials	1.8	5.6
Imported food materials	1.9	3.3
Other produced materials	0.2	20.4
Metals & non-metallic minerals	0.5	20.9
Chemicals	1.2	16.6
Other parts and equipment	0.4	1.6
Other inputs	0.2	0.2
All manufacturing	-0.2	13.5

Source: Office for National Statistics - Producer Price Index

The annual input inflation rate decreased by 1.7 percentage points from 15.2% in November 2021 to 13.5% in December 2021.

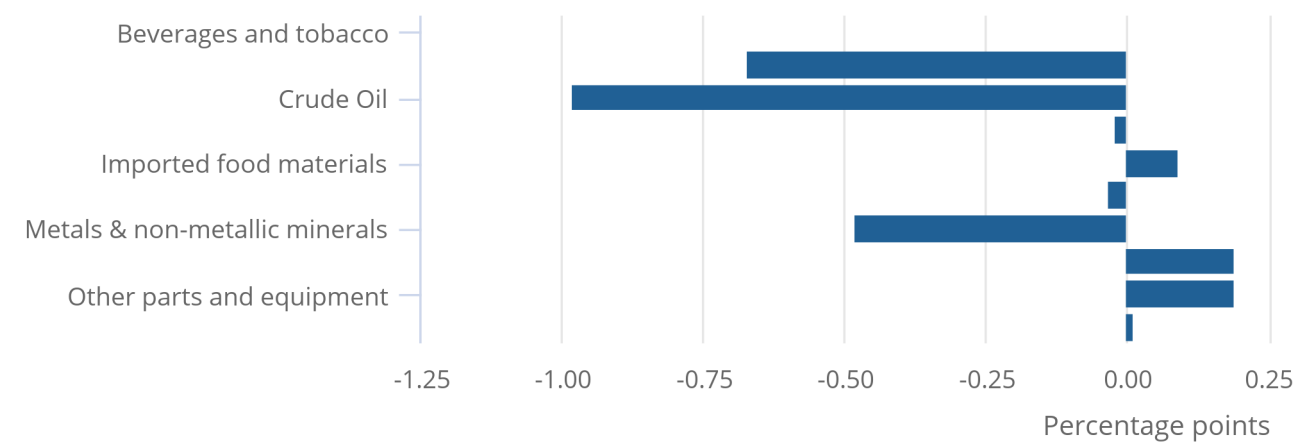
Of the 10 product groups, five showed downward contributions to the change in the rate; crude oil showed the largest downward contribution to the change in the rate at 0.98 percentage points (Figure 5). Crude oil saw a fall of 7.9% between November and December 2021, compared with an increase of 10.1% between the same period in 2020. This base effect is driving the downward contribution, which saw the annual rate for crude oil fall by 28.7 percentage points from 76.0% in November 2021 to 47.3% in December 2021 (Table 5). Annual growth rates for this product group were being driven by crude oil for domestic market.

Figure 5: Crude oil provided the largest downward contribution to the change in the annual rate

Input PPI, contribution to change in the annual rate, UK, December 2021

Figure 5: Crude oil provided the largest downward contribution to the change in the annual rate

Input PPI, contribution to change in the annual rate, UK, December 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

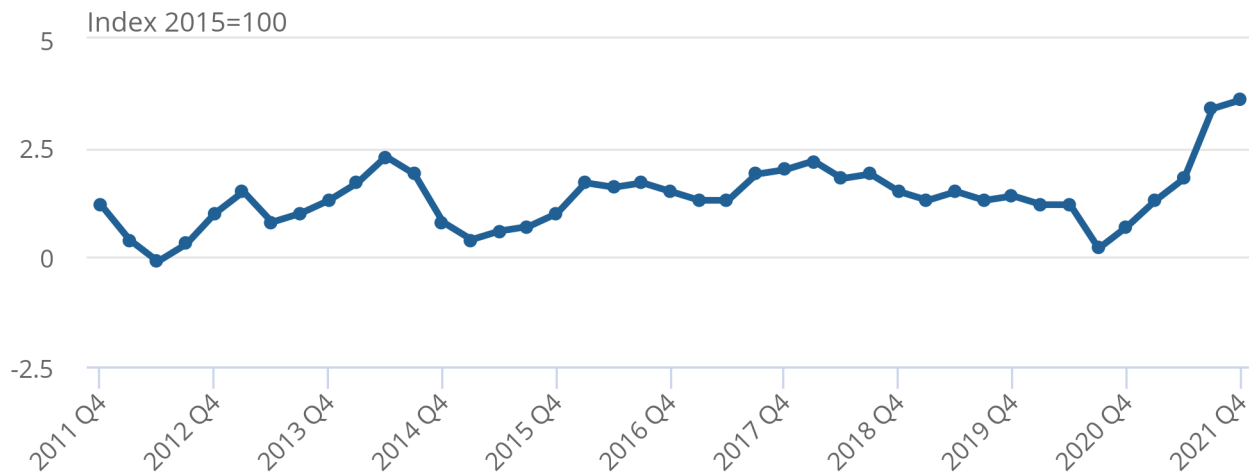
The annual rate of inflation for the Services Producer Price Index (SPPI) was 3.6% in Quarter 4 (Oct to Dec) 2021, up from 3.4% in Quarter 3 (July to Sept) 2021 (Figure 6). This is the highest the rate has been since records began.

Figure 6: The annual rate of inflation for the Services Producer Price Index (SPPI) rose in Quarter 4 (Oct to Dec) 2021

SPPI, UK, Quarter 4 (Oct to Dec) 2011 to Quarter 4 (Oct to Dec) 2021

Figure 6: The annual rate of inflation for the Services Producer Price Index (SPPI) rose in Quarter 4 (Oct to Dec) 2021

SPPI, UK, Quarter 4 (Oct to Dec) 2011 to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – Services Producer Price Index

The quarter-on-quarter growth of services sold by UK companies was 0.9% in Quarter 4 2021, down from 1.1% in Quarter 3 (July to Sept) 2021 (Table 6).

Table 6: services producer prices
UK, Quarter 4 (Oct to Dec) 2021

UK

		Percentage change			Change in the 12-month rate (percentage points)
		SPPI Index (2015=100)	1-Quarter	12-months	
2020	Q4	107.9	0.7	0.7	0.5
2021	Q1	108.8	0.9	1.3	0.6
	Q2	109.6	0.7	1.8	0.5
	Q3	110.8	1.1	3.4	1.6
	Q4	111.8	0.9	3.6	0.2

Source: Office for National Statistics - Services Producer Price Index

Notes

1. Q1 refers to Quarter 1 (Jan to Mar) Q2 refers to Quarter 2 (Apr to Jun) Q3 refers to Quarter 3 (Jul to Sep) and Q4 refers to Quarter 4 (Oct to Dec).

The largest upward contribution to the annual rate came from transportation and storage services at 1.45 percentage points (Figure 7), with an annual price increase of 8.0% (Table 7).

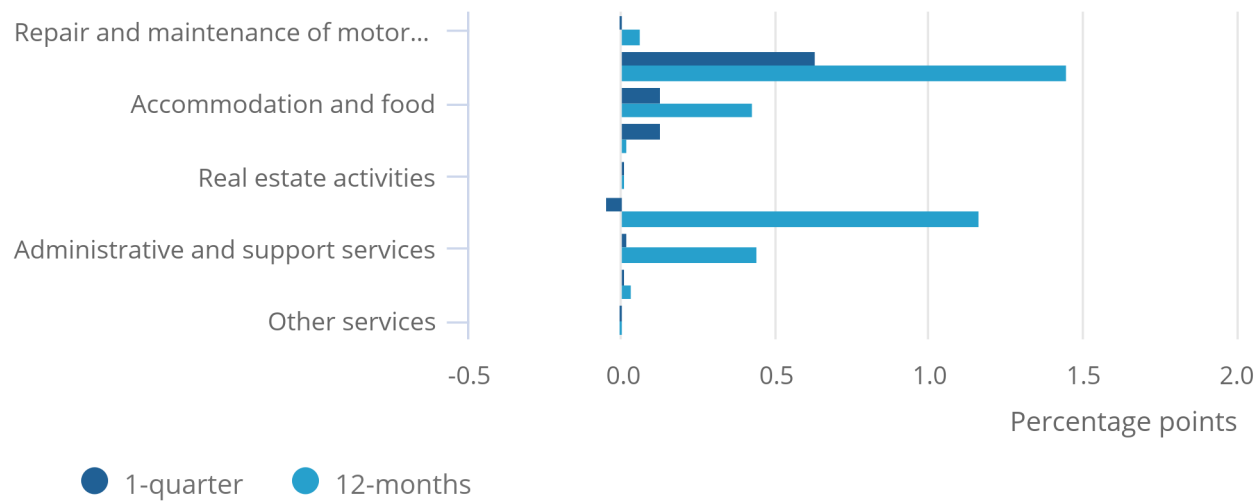
Transportation and storage services also provided the largest upward contribution to the quarterly rate at 0.63 percentage points.

Figure 7: Transportation and storage services made the largest upward contribution to the SPPI annual rate

SPPI, contribution to 1-quarter and 12-month growth rate, UK, Quarter 4 (Oct to Dec) 2021

Figure 7: Transportation and storage services made the largest upward contribution to the SPPI annual rate

SPPI, contribution to 1-quarter and 12-month growth rate, UK, Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – Services Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 7: services producer price inflation, 1-quarter and 12-month percentage change
Quarter 4 (Oct to Dec) 2021

UK

Service group	Percentage change	
	1-quarter	12-months
Repair and maintenance of motor vehicles	0.0	2.3
Transportation and storage	3.4	8.0
Accommodation and food	1.6	5.2
Information and communication	1.2	0.2
Real estate activities	0.2	0.4
Professional, scientific and technical activities	-0.2	3.6
Administrative and support services	0.1	2.4
Education	0.4	0.9
Other services	0.1	0.0
SPPI	0.9	3.6

Source: Office for National Statistics - Services Producer Price Index

Notes

1. The section level SPPIs are an aggregate of individual industry level SPPIs (excluding industries in waste supply sewerage and management) published in the SPPI statistical bulletin. They do not provide full coverage of the service sector.

3 . Producer price inflation data

[Producer price inflation time series](#)

Dataset | Released 19 January 2022

A comprehensive selection of data on input and output indices. Contains producer price indices of materials and fuels purchased and output of manufacturing industry by broad sector.

[Output and input producer price inflation: contributions to the 12-month rates](#)

Dataset | Released 19 January 2022

Contributions to the 12-month rates of input and output producer price inflation by component and overall rates.

[Producer price inflation](#)

Dataset MM22 | Released 19 January 2022

UK price movement data at all manufacturing, aggregated industry and product group level. Data supplied from individual manufacturers, importers and exporters. Monthly, quarterly and annual data.

4 . Glossary

Weight

This is the importance of the price of interest relative to other prices collected. With annual chain linking, this is updated every year using business turnover data.

Index value

Price level in a specific basket of goods.

Annual growth rate

The annual inflation rate.

Link factor

A smoothing factor applied to create a continuous series following a weights change.

Contribution

A measure of influence the index has on the overall growth rate. This depends on both the magnitude of the weight and the inflation rate. A positive contribution is an index that is driving a change in the annual growth rate value. Where the contribution is positive but the growth is negative, this indicates that the index is reducing the annual growth rate (for example, the growth rate would be higher if this index had a lower weight).

Producer price inflation

Changes in the prices of goods bought and sold by UK manufacturers, including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

Output prices

The factory gate price (output price) is the amount received by UK producers for the goods that they sell to the domestic market. It includes the margin that businesses make on goods, in addition to costs such as labour, raw materials and energy, as well as interest on loans, site or building maintenance, or rent.

Input prices

The input price measures the price of materials and fuels bought by UK manufacturers for processing. It includes materials and fuels that are both imported or sourced within the domestic market. It is not limited to materials used in the final product, but includes what is required by businesses in their normal day-to-day running, such as fuels.

Services producer price inflation

Quarterly estimates monitoring the changes in prices charged for services provided to UK-based customers for a range of industries.

5 . Measuring the data

Producer price inflation (PPI) uses contributions to identify how indices influence the overall inflation rate. This section gives additional information on the calculation and how to interpret it.

Example scenarios

The following gives examples of how weight and inflation rate changes most commonly affect the contribution. In PPI, the weights usually have greater influence on the contribution, as these tend to show greater change than the annual inflation rate:

- decrease in weight and in inflation rate — contribution is negative
- decrease in weight, increase in inflation rate — contribution is usually negative
- no change in weight or inflation rate — no change
- no change in weight, increase in inflation rate — no change
- increase in weight, decrease in inflation rate — contribution is usually positive
- increase in weight, no change in inflation rate — contribution is positive
- increase in weight, increase in inflation rate — contribution is positive

Contributions are calculated using the following formula:

$$\frac{(\text{weight} \times \text{index value} \times \text{link factor}) \text{ for current year} - (\text{weight} \times \text{index value} \times \text{link factor}) \text{ for previous year}}{\text{chain linked value for the overall index}}$$

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Producer Price Index \(PPI\) quality and methodology information \(QMI\) report](#) and the [Services Producer Price Indices \(SPPI\) QMI report](#).

Other useful documentation for the PPI and the SPPI are:

1. [Producer price indices methods changes](#)
2. [Chain-linking in business prices](#)
3. [Producer price weight changes](#)
4. [Services producer price weight changes](#)
5. [Guidance on using indices in indexation clauses \(PDF, 197KB\)](#)
6. [PPI methods and guidance \(PDF, 1.14MB\)](#)
7. [SPPI user guidance and methodology article](#)
8. [PPI standard errors article](#)
9. [SPPI standard errors article](#)

Sterling effective exchange rate

The sterling effective exchange rate measures changes in the strength of sterling relative to basket of other currencies. The sterling effective exchange rate is only indicative of the rates applied to producer prices. This is because the sterling effective exchange rate is a trade weighted index that represents all UK trade, whereas producer prices reflect transaction in the manufacture sector.

6 . Strengths and limitations

Strengths

- These data provide users with valuable insight into the changes in the process of goods and services bought and sold by UK manufacturers.
- Our data is very comprehensive, covering many products at a much greater level of detail than other surveys.

Limitations

- Some products are produced by only a small number of manufacturers, meaning that there may not be enough manufacturers for a detailed and robust analysis and the sector may be volatile, requiring some estimation.
- The data can be revised for 12 months.
- The data for the latest two months of the Producer Price Index (PPI) and two quarters of the Services Producer Price Index (SPPI) are provisional.

Coronavirus (COVID-19) in December 2021

Response rates for the domestic PPI and Export Price Index (EPI) show a decrease between November 2021 and December 2021, whereas the response rates for the Import Price Index (IPI) show an increase between November 2021 and December 2021 (Table 8). The response rate for SPPI shows a decrease between Quarter 3 (July to Sept) 2021 and Quarter 4 (Oct to Dec) 2021 (Table 9).

Table 8: Overall effective response rates at time of first publishing percentage December 2020 to December 2021

Weighted response

	PPI (domestic)	IPI	EPI
December 2020	73.5	71.9	76.6
January 2021	74.8	70.7	58.7
February 2021	75.3	74.2	62.3
March 2021	73.9	75.5	65.4
April 2021	79.0	72.6	60.3
May 2021	75.5	77.1	62.7
June 2021	77.1	75.3	64.8
July 2021	71.1	68.2	70.7
August 2021	73.0	67.9	72.8
September 2021	73.3	67.1	73.8
October 2021	67.1	70.5	67.3
November 2021	71.1	69.0	68.8
December 2021	68.6	70.0	63.6

Source: Office for National Statistics - Producer Price Index

Notes

1. Effective response rates exclude items permanently not available for collection

Table 9: Overall effective response rates at time of first publishing
Quarter 4 (Oct to Dec) 2020 to Quarter 4 (Oct to Dec) 2021

Weighted Response SPPI

2020 Q4	74.9
2021 Q1	73.2
Q2	71.0
Q3	74.2
Q4	71.3

Source: Office for National Statistics - Services Producer Price Index

Notes

1. Effective response rates exclude items permanently not available for collection

7 . Related links

[Consumer prices inflation, UK](#)

Bulletin | Released monthly

Price indices, percentage changes and weights for the different measures of consumer price inflation.

[UK House Price Index](#)

Bulletin | Released monthly

Monthly house price inflation in the UK, calculated using data from HM Land Registry, Registers of Scotland, and Land and Property Services Northern Ireland.

[Construction output in Great Britain: September 2021, new orders and Construction Output Price Indices, July to September 2021](#)

Bulletin | Released 11 November

Short-term measures of output by the construction industry, contracts awarded for new construction work in Great Britain and a summary of the Construction Output Price Indices (OPIs) in the UK for Quarter 3 (July to Sept) 2021.

[GDP monthly estimate, UK](#)

Bulletin | Released monthly

Gross domestic product (GDP) measures the value of goods and services produced in the UK.

Links to additional ONS sources of coronavirus information

Various articles have been published that help describe the Office for National Statistics' (ONS') response to how the coronavirus (COVID-19) might be seen in our estimates:

- [Coronavirus and the effects on UK prices](#) (published 6 May 2020)
- [Coronavirus and the impact on output in the UK economy, UK: August 2021](#) (published 13 October 2021)
- [Meeting the challenge of measuring the economy through the COVID-19 pandemic](#) (published 6 May 2020)
- [Coronavirus and the effects on UK GDP](#) (published 6 May 2020)
- [Real-time turning point indicators: a UK focus](#) (published 27 April 2020)
- [Communicating gross domestic product](#) (published 27 April 2020)

Our latest data and analysis on [the impact of coronavirus on the UK economy and population](#) are also available.

The ONS has released a [public statement on coronavirus](#) and the production of statistics. If you have any specific queries on this, you can email the [Media Relations Office](#).

Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place that will support the adoption and implementation of high-quality standards for UK economic statistics. These governance arrangements will promote international comparability and add to the credibility and independence of the UK's statistical system.

At the centre of this new governance framework will be the new National Statistician's Committee for Advice on Standards for Economic Statistics (NSCASE). NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world-leading. The advice NSCASE provides to the National Statistician will span the full range of domains in economic statistics, including the national accounts, fiscal statistics, prices, trade and the balance of payments, and labour market statistics.

Table 1: Output prices: summary (not seasonally adjusted) - CPA 2.1

2015=100, CPA 2.1

Manufactured Products for Domestic Market, excluding duty				Manufactured products excluding food beverages, tobacco & petroleum products for domestic market				Coke and refined petroleum products, excluding duty				Food products, beverages and tobacco, excluding duty			
percentage change over				percentage change over				percentage change over				percentage change over			
Index				Index				Index				Index			
(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths	
6150333333				6150333390				6140190000				6150888897			
	GB7S				GBBV				G6ST				GBA6		
2021 Jun	112.7	0.8	4.6	113.6	0.7	3.1		137.6	4.9	54.3		109.7r	0.3	2.7	
Jul	113.8	1.0	5.4	115.0	1.2	4.5		142.0	3.2	46.1		109.8r	0.1	2.9	
Aug	114.6	0.7	6.2	116.1	0.9	5.5		143.7	1.2	49.9		109.8	-	2.8	
Sep	115.4	0.7	7.0	116.7r	0.6	6.0		150.2	4.5	65.9		110.2r	0.4	3.0	
Oct	117.4	1.7	8.8	118.5	1.5	7.4		168.2	12.0	86.1		110.7	0.5	3.8	
Nov	118.5p	1.0	9.4	119.5p	0.8	8.2		176.4p	4.9	85.3		111.4p	0.6	3.9	
Dec	118.8p	0.3	9.3	120.2p	0.5	8.7		171.4p	-2.8	68.1		111.7p	0.3	4.1	

Source: Office for National Statistics

p = provisional

r = revised

Manufactured Products for Domestic Market, including duty				Food products, beverages and tobacco, including duty				Coke and refined petroleum products, including duty			
percentage change over				percentage change over				percentage change over			
Index				Index				Index			
(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths	
6158333333				6158888897				6148190000			
	GD73				GBA7				G6SU		
2021 Jun	112.5	0.7	4.4	109.8	0.3	2.6		115.5	2.4	21.1	
Jul	113.5	0.9	5.1	109.9	0.1	2.7		117.3	1.6	18.8	
Aug	114.3	0.7	5.9	109.9	-	2.7		118.1	0.7	20.2	
Sep	115.1r	0.7	6.8	110.4r	0.4	3.0		120.7	2.2	25.6	
Oct	117.0	1.7	8.4	110.9	0.5	3.7		127.9	6.0	33.2	
Nov	118.1p	0.9	9.1	111.5p	0.6	3.9		131.4p	2.8	34.0	
Dec	118.4p	0.3	9.0	111.9p	0.3	4.1		129.5p	-1.4	28.5	

Source: Office for National Statistics

p = provisional

r = revised

Table 2: Gross sector input prices, including Climate Change Levy¹: summary (not seasonally adjusted) - CPA 2.1

2015=100, CPA 2.1

2015=100, CFA 2.1															
All manufacturing (materials and fuel purchased)				All Manufacturing (materials and fuel purchased) excluding food, beverages, tobacco & petroleum			Materials purchased by manufacturing industry			Fuels purchased by manufacturing industry					
		percentage change over				percentage change over				percentage change over					
Index (2015=100)		1 mth	12 mths	Index (2015=100)		1 mth	12 mths	Index (2015=100)		1 mth	12 mths	Index (2015=100)		1 mth	12 mths
7390333333				7390333392			7390333397			7390333394					
GHIP				GHIO			GHIK			GHIM					
2021 Jun	122.5r	0.6	9.7	122.0r	0.6	7.9		122.6	0.7	9.6		121.0	-2.6	12.9	
Jul	124.1r	1.3	10.6	123.9	1.5	9.4		124.0	1.2	10.4		127.5	5.4	16.9	
Aug	124.8r	0.6	11.4	125.2r	1.1	10.6		124.5r	0.4	11.0		134.9	5.8	25.6	
Sep	126.2	1.1	12.4	126.2r	0.8	10.9		125.6	0.9	11.7		146.0	8.2	34.0	
Oct	128.6	1.9	14.0	128.0	1.4	11.9		128.0	2.0	13.6		146.8	0.5	25.5	
Nov	130.5p	1.5	15.2	130.0p	1.6	13.7		129.3p	1.0	14.2		168.5p	14.8	44.7	
Dec	130.3p	-0.2	13.5	130.2p	0.2	12.8		129.7p	0.3	13.2		149.5p	-11.3	20.6	

Source: Office for National Statistics

¹ The Climate Change Levy was introduced in April 2001.

p = provisional
r = revised

Table 3: Output prices: Detailed by product (not seasonally adjusted) - CPA 2.1

										2015=100, CPA 2.1			
										Percentage change		Percentage change	
										1 month		12 months	
										2021	2021	2021	2021
										Aug	Sep	Oct	Nov
										Dec	Nov	Dec	Nov
										Dec	Nov	Dec	Dec
Gross Sector													
Output of manufactured products	GB7S	6158333333	114.6	115.4	117.4	118.5p	118.8p		1.0	0.3	9.4	9.3	
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV	6150333390	116.1	116.7r	118.5	119.5p	120.2p		0.8	0.5	8.2	8.7	
Food products, beverages and tobacco, excluding duty	GBA6	6150888897	109.8	110.2r	110.7	111.4p	111.7p		0.6	0.3	3.9	4.1	
Food products	G6SI	6140100000	109.5	110.1r	110.8	111.5p	112.1p		0.6	0.6	4.6	5.0	
Alcoholic beverages,excluding duty	G6SJ	6140110000	108.7r	108.0r	107.4	108.3p	107.0p		0.8	-1.2	-0.3	-0.6	
Soft drinks, mineral waters and other bottled waters	EVPU	6120110700	105.6	106.2	104.1	106.9p	105.1p		2.7	-1.7	1.9	1.0	
Textiles	G6SN	6140130000	108.4r	109.2r	109.4	109.8p	111.6p		0.4	1.6	3.0	4.6	
Wearing apparel	G6SO	6140140000	106.9	108.3	108.3	108.3p	108.6p		-	0.2	1.6	1.7	
Leather and related products	G6SP	6140150000	103.9	104	103.9	103.9p	103.9p		-	-	0.9	0.9	
Wood and products of wood and cork, except furniture	G6SQ	6140160000	145.3r	145.4r	149.2	150.5p	150.6p		0.8	0.1	30.0	29.7	
Paper and paper products	G6SR	6140170000	114.1	116.5	117.7	119.4p	121.3p		1.4	1.6	12.0	13.9	
Printing and recording services	G6SS	6140180000	104.3	104.3r	104.7	105.7p	105.9p		0.9	0.2	3.2	3.3	
Coke and refined petroleum products, excluding duty	G6ST	6140190000	143.7	150.2	168.2	176.4p	171.4p		4.9	-2.8	85.3	68.1	
Chemicals and chemical products	G6SV	6140200000	124.7r	125.1r	129.5	132.8p	135.2p		2.5	1.8	19.2	19.7	
Basic pharmaceutical products and pharmaceutical preparations	G6SW	6140210000	105.0	105.3	105.4	105.5p	105.5p		0.2	-	-1.6	-1.8	
Rubber and plastic products	G6SX	6140220000	119.0r	119.9r	121.8	123.0p	123.3p		1.0	0.3	11.9	12.0	
Other non-metallic mineral products	G6SY	6140230000	116.2	116.9	118.2	120.5p	120.8p		2.0	0.2	8.6	9.5	
Basic metals	G6SZ	6140240000	164.9r	165.8r	167.0	169.7p	170.3p		1.6	0.4	34.2	33.1	
Fabricated metal products, except machinery and equipment	G6T3	6140250000	119.8	120.9r	123.5	123.7p	125.1p		0.2	1.2	10.0	11.2	
Computer, electronic and optical products	G6T5	6140260000	105.8	106.0r	106.2	106.9p	107.1p		0.7	0.2	1.1	1.5	
Electrical equipment	G6VF	6140270000	114.4	116.0	117.3	117.5p	118.5p		0.2	0.8	7.1	7.7	
Machinery and equipment n.e.c.	G6VG	6140280000	110.1r	111.2	111.6	113.4p	113.9p		1.6	0.5	5.9	6.6	
Motor vehicles, trailers and semi-trailers	G6WH	6140290000	110.1	111.0r	111.4	111.6p	111.7p		0.3	0.1	3.0	2.9	
Other transport equipment	G72N	6140300000	107.5	107.6	113.4	113.6p	114.0p		0.2	0.3	-	0.5	
Furniture	G75I	6140310000	111.6r	111.9r	113.1	113.5p	113.8p		0.4	0.3	5.3	5.1	
Other manufactured goods	G776	6140320000	103.1	103.1	104.1	104.2p	104.3p		0.1	0.1	-0.5	-0.5	
Repair and installation services of machinery and equipment	G777	6140330000	109.7r	109.8r	109.8	110.1p	110.3p		0.3	0.2	-1.8	-1.4	

Source: Office for National Statistics

p = provisional
r = revised

Table 4: Input prices, excl Climate Change Levy¹: materials and fuels purchased by selected industries (not seasonally adjusted) - CPA 2.1

										2015=100, CPA 2.1								
										Percentage change		Percentage change						
										1 month		12 months						
										2021	2021	2021	2021					
										Aug	Sep	Oct	Nov	Dec	2021	2021	2021	2021
															Nov	Dec	Nov	Dec
Gross sector																		
Other mining & quarrying products	GHEA	7390080000	119.1r	120.8	122.6	126.2p	124.2p	2.9	-1.6	12.9	10.1							
Manufacture of food products, beverages, tobacco	GHHV	7390888897	117.0	118.4r	119.4	120.6p	121.9p	1.0	1.1	6.5	6.6							
Preserved meat & meat products	GHEF	7390101000	117.4	118.8r	119.2	120.0p	121.0p	0.7	0.9	4.8	5.0							
Fish, crustaceans, molluscs, fruit & vegetables	GHEH	7390333387	117.1r	119.1r	121.4	121.9p	128.3p	0.4	5.3	7.6	8.9							
Vegetable & animal oils & fats	GHEJ	7390104000	136.1	140.8r	148.8	150.5p	150.2p	1.1	-0.2	18.7	17.9							
Dairy products	GHEL	7390105000	122.1	123.7r	124.2	124.9p	126.3p	0.6	1.1	5.2	5.6							
Grain mill products, starches & starch products	GHEN	7390106000	118.8	120.4r	121.9	122.7p	123.9p	0.7	1.0	6.8	7.1							
Bakery & farinaceous products	GHEP	7390107000	115.0r	116.4r	117.8	119.8p	119.7p	1.7	-0.1	9.2	8.4							
Other food products	GHER	7390108000	111.9	113.2	114.1	115.6p	115.9p	1.3	0.3	6.2	6.1							
Animal feeds	GHET	7390109000	119.1	120.2r	121.2	122.2p	123.3p	0.8	0.9	6.4	6.9							
Alcoholic Beverages	GHEV	7390333384	114.9r	115.9	116.8	119.0p	118.6p	1.8	-0.3	7.3	6.7							
Soft drinks; mineral waters & other bottled waters	GHEX	7390110700	112.4r	113.2	113.8	115.6p	115.4p	1.6	-0.1	6.8	6.4							
Tobacco products	GHEZ	7390120000	121.3	123.3r	124.3	125.2p	126.8p	0.7	1.2	8.2	8.6							
Manufacture of textiles & textile products; clothing	GHHW	7390888895	113.3r	114.3r	116.2	117.7p	118.5p	1.3	0.7	7.3	7.6							
Textiles	GHFB	7390130000	114.6r	115.7r	117.4	119.2p	119.8p	1.5	0.6	8.5	8.4							
Wearing apparel	GHFD	7390140000	110.8r	111.8r	114.0	115.1p	116.2p	1.0	1.0	5.0	6.0							
Manufacture of leather & related products	GHFF	7390150000	112.8r	113.5	114.3	115.5p	116.2p	1.0	0.7	6.4	6.7							
Manufacture of wood & wood products	GHFH	7390160000	148.4r	149.6r	151.9	153.0p	152.3p	0.7	-0.4	26.9	25.7							
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ	7390888892	118.4r	120.5	121.7	124.5p	124.6p	2.3	-	13.9	13.4							
Pulp, paper & paper products	GHFJ	7390170000	122.2	124.4	125.7	128.9p	128.7p	2.5	-0.2	16.1	15.2							
Printing & recording services	GHFL	7390180000	113.5	115.3	116.4	118.7p	119.1p	2.0	0.3	10.8	10.8							
Manufacture of coke & refined petroleum products	GHFN	7390190000	148.6	153.9	169.8	172.1p	159.8p	1.4	-7.2	72.0	46.2							
Manufacture of chemicals, chemical products & man-made fibres	GHIB	7390888890	127.4r	129.2r	133.5	138.7p	139.2p	3.9	0.4	25.2	23.1							
Paints, varnishes & similar coatings, printing ink & mastics	GHFP	7390203000	127.0r	128.0r	130.4	133.8p	135.3p	2.5	1.1	18.8	18.0							
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	117.7r	118.9r	120.4	122.2p	123.0p	1.5	0.6	10.7	11.0							
Other chemical products	GHFT	7390205000	119.5	120.4	121.5	124.0p	125.8p	2.1	1.5	14.0	14.6							
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV	7390333378	127.0r	129.9	139.0	149.5p	148.0p	7.6	-1.0	33.4	29.3							
Petrochemicals & man made fibres	GHFX	7390333377	133.1	135.0	139.5	145.0p	145.8p	3.9	0.6	31.2	28.0							
Dyes & pigments; pesticides & other agrochemical products	GHFZ	7390333376	124.9r	127.2r	131.2	135.6p	135.5p	3.4	-0.1	20.8	18.7							
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	111.7	112.5	113.2	114.5p	114.7p	1.1	0.2	5.1	4.7							
Manufacture of rubber & plastic products	GHGD	7390220000	125.0r	126.3r	127.8	130.8p	131.1p	2.4	0.3	17.5	15.9							
Manufacture of cement, lime & plaster	GHGF	7390333375	122.6	124.3r	125.9	128.8p	127.7p	2.3	-0.9	14.8	12.9							
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH	7390333374	118.6r	120.4r	122.7	126.1p	124.8p	2.8	-1.0	12.7	10.9							
Manufacture of basic metals & fabricated products	GHIF	7390888884	144.7r	146.0r	147.6	150.3p	149.9p	1.8	-0.2	23.5	21.3							
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ	7390333369	156.2r	158.3r	159.2	162.2p	162.1p	1.9	-0.1	31.0	28.5							
Other basic metals & casting	GHGL	7390333368	156.7r	157.2r	159.5	162.4p	161.1p	1.8	-0.8	26.0	21.7							
Weapons & ammunition	GHGN	7390254000	121.8r	122.6r	123.6	124.6p	125.1p	0.8	0.4	9.0	9.0							
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP	7390333365	138.2r	139.6r	141.4	144.1p	143.9p	1.9	-0.1	21.2	19.7							
Manufacture of computer, electronic & optical products, electrical equipment	GHIG	7390888883	119.6r	120.5r	121.3	122.7p	123.0p	1.2	0.2	8.3	8.0							
Computer, electronic & optical products	GHGR	7390260000	116.7r	117.4r	118.1	119.6p	119.8p	1.3	0.2	6.7	6.4							
Electrical equipment	GHGT	7390270000	123.0r	123.9r	124.9	126.3p	126.7p	1.1	0.3	10.1	9.8							
Manufacture of machinery & equipment n.e.c	GHGV	7390280000	126.1r	126.9r	128.3	129.6p	130.0p	1.1	0.3	12.3	11.8							
Manufacturing of motor vehicles & other transport equipment	GHII	7390888881	121.1	121.8r	123.4	124.7p	125.1p	1.0	0.3	8.9	8.5							
Motor vehicles, trailers & semi trailers	GHGX	7390290000	119.8	120.5r	121.2	122.4p	122.7p	1.0	0.3	8.3	7.7							
Ships & boats	GHGZ	7390301000	125.9	126.7r	127.7	129.0p	129.4p	1.0	0.3	12.8	12.4							
Aircraft & spacecraft & related machinery	GHHB	7390303000	123.9r	124.6r	128.5	129.8p	130.4p	1.0	0.4	9.8	9.7							
Other transport equipment	GHHD	7390333358	112.7	113.3	113.6	114.5p	114.5p	0.7	0.1	4.7	4.3							
Manufacture of other manufactured goods n.e.c	GHIU	7390888880	131.9r	132.7r	134.6	136.1p	136.0p	1.2	-0.1	17.9	16.7							
Furniture	GHIF	7390310000	137.1	138.0r	140.3	141.6p	141.3p	0.9	-0.2	22.7	21.5							
Other manufacturing	GHHH	7390320000	127.8r	128.5r	130.0	131.8p	131.8p	1.4	-	14.0	13.0							
Repair of maintenance of ships & boats	GHHJ	7390331500	129.3	130.1	131.1	132.6p	132.7p	1.2	0.1	16.8	16.1							
Repair & maintenance services of aircraft & spacecraft	GHHL	7390331600	106.7	106.9	115.7	116.3p	116.6p	0.5	0.3	-0.9	-0.4							
Other repair; installation	GHHN	7390333355	118.0	119.1	120.7	122.6p	121.9p	1.5	-0.6	12.3	10.8							

Source: Office for National Statistics

¹ Climate Change Levy is excluded from the detailed industry input index, (see background notes of the Statistical Bulletin for more detail).

p = provisional
r = revised

Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1

										2015=100, CPA 2.1			
										Percentage change		Percentage change	
										1 month		12 months	
										2021	2021	2021	2021
										Aug	Sep	Oct	Nov
										Dec	Nov	Dec	Nov
										Dec	Nov	Dec	Dec
Fuel excl. CCL	FSQ3	7490222295	136.6	148.3	148.6	170.7p	151.6p	14.9	-11.2	46.7	22.2		
Mining of coal & lignite exc CCL	GHDW	7390050000	125.5	130.3	132.4	135.5p	136.1p	2.3	0.5	27.6	26.9		
Electricity excl. CCL	GHHP	7390351000	137.3	147.4	148.3	169.2p	150.1p	14.1	-11.3	43.4	19.5		
Gas excl. CCL	GHRH	7390444499	133.8	147.6	153.4	168.4p	157.4p	9.8	-6.5	63.7	43.8		
Crude Oil	FSQ4	7490444498	151.3	156.6	173.9	174.8p	161.0p	0.6	-7.9	76.0	47.3		
Domestic crude oil & metal ores	GGT3	7190222295	153.2	159.5	177.3	175.7p	161.2p	-0.9	-8.3	71.3	45.2		
Imported crude oil & metal ores	GHBV	7290222295	148.1	151.5	167.8	173.4p	160.9p	3.4	-7.2	85.3	51.1		
Home produced food:	FSP7	7190351000	116.1	117.1r	118.2	118.0p	120.1p	-0.2	1.8	4.9	5.6		
Products of agriculture, hunting and related services	GGO7	7190010000	126.4	127.7r	128.0	126.5p	128.8p	-1.2	1.9	2.2	3.0		
Fish & other fish products	GGs8	7190030000	116.2	117.8r	125.1	121.7p	148.6p	-2.7	22.1	12.7	18.6		
Preserved meat and meat products	GH2M	7190101000	105.5	106.3	107.1	108.0p	108.4p	0.9	0.3	6.3	6.2		
Processed fish & fish products; fruit & vegetables	GH7R	7190333387	107.7	108.0	108.4	108.7p	109.1p	0.3	0.3	1.7	1.8		
Vegetable & animal oils and fats	GH7S	7190104000	131.6	136.5r	143.2	143.2p	144.2p	-	0.7	21.9	21.1		
Dairy products	GH8A	7190105000	119.9r	121.1r	122.3	123.6p	124.2p	1.1	0.5	8.3	8.8		
Grain mill products, starches and starch products	GH8B	7190106000	114.2r	113.9r	114.9	115.7p	117.7p	0.7	1.8	5.0	6.5		
Bakery and Farinaceous products	GH8C	7190107000	107.2r	107.4r	107.3	107.2p	108.0p	-0.1	0.8	0.7	1.0		
Other Food products	GH8L	7190108000	102.7	102.9	103.4	103.5p	103.8p	0.2	0.3	1.5	1.8		
Prepared animal feeds	GH98	7190109000	122.6	123.1	124.0	125.7p	127.0p	1.4	1.0	7.7	9.2		
Imported food materials	FSP9	7490333354	119.2	121.4	121.4	124.7p	127.1p	2.7	1.9	1.2	3.3		
Agricultural crop products	GHBQ	7290010000	109.5	113.2	111.3	118.0p	121.6p	6.0	3.0	-0.6	2.0		
Fish & fish products	GHBS	7290030000	131.2	138.4	139.1	140.4p	141.3p	0.9	0.6	8.8	10.3		
Meat & meat products	GHBX	7290101000	123.8	123.4r	122.7	123.4p	123.8p	0.5	0.4	3.4	5.2		
Processed fish & fish products, fruit & vegetables	GHBV	7290333387	112.5	113.3	113.7	114.2p	115.4p	0.4	1.0	-2.0	-0.6		
Vegetable & animal oils & fats	GHBZ	7290104000	161.7	164.9	180.8	184.5p	182.0p	2.0	-1.4	7.8	8.2		
Dairy products	GHCA	7290105000	99.1	97.5	97.1	102.0p	104.2p	5.0	2.2	12.1	14.6		
Grain mill products & starches	GHCB	7290106000	130.0	131.0	129.9	130.5p	132.5p	0.5	1.6	2.1	3.6		
Bakery & farinaceous products	GHCC	7290107000	119.6	120.4	119.6	119.5p	120.6p	-0.1	1.0	-4.2	-4.3		
Other food products	GHCD	7290108000	124.5r	127.5r	127.3	129.9p	136.3p	2.1	4.9	-3.2	1.0		
Prepared animal feeds	GHCE	7290109000	119.5	120.0	122.8	124.4p	125.2p	1.3	0.6	3.6	3.0		
Other home produced materials	FSQ2	7490333353	126.4r	128.4r	131.5	133.5p	133.8p	1.5	0.2	21.0	20.4		
Forestry products	GGP2	7190020000	223.7	223.7	223.7	223.7p	223.7p	-	-	29.3	29.3		
Other mining & quarrying products exc agg	GH2L	7190080000	114.1	114.4	114.4	114.1p	113.3p	-0.2	-0.8	-1.1	-1.4		
Textiles	GHAE	7190130000	108.4r	109.2r	109.4	109.8p	111.6p	0.4	1.6	3.0	4.6		
Wearing Apparel	GHAF	7190140000	106.9	108.3	108.3	108.3p	108.6p	-	0.2	1.6	1.7		

Leather and related products	GHAG	7190150000	103.9	104.0	103.9	103.9p	103.9p	-	-	0.9	0.9
Wood and products of wood and cork, exc furniture	GHAH	7190160000	145.3r	145.4r	149.2	150.5p	150.6p	0.8	0.1	30.0	29.7
Paper and paper products	GHAJ	7190170000	114.1	116.5	117.7	119.4p	121.3p	1.4	1.6	12.0	13.9
Coke & refined petroleum products	GHAK	7190190000	143.7	150.2	168.2	176.4p	171.4p	4.9	-2.8	85.3	68.1
Water collection, treatment & supply	GHBP	7190360000	107.0	107.0	107.0	107.0p	107.0p	-	-	2.4	2.4

Source: Office for National Statistics

1 The Climate Change Levy was introduced in April 2001.

p = provisional

r = revised

Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1

										2015=100, CPA 2.1						
										Percentage change		Percentage change				
										1 month		12 months				
										2021	2021	2021	2021			
										Aug	Sep	Oct	Nov	Dec	Nov	Dec
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Table 6R: Output prices: revisions (not seasonally adjusted) - CPA 2.1

2015=100, CPA 2.1

Output of manufactured products				All manufacturing excluding food, beverages, tobacco and petroleum			
Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	Index (2015=100)
	1 mth	12 mths		1 mth	12 mths		
6150333333			6150333390				
GB7S				GBBV			
2020 Dec	-	-	-	-	-	-	-
2021 Jan	-	-	-	-	-	-	-
Feb	-	-	-0.1	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	0.1	-	-	-	-	-
Jul	-	-	0.1	-	-	-	-
Aug	-	-	-	-	-0.1	-	-
Sep	-	-	-	-0.1	-	-0.1	-
Oct	0.3	0.2	0.2	0.3	0.3	0.3	0.3
Nov	0.3	0.1	0.3	0.4	-	0.3	0.3

Source: Office for National Statistics

Please see Statistical Bulletin section entitled "Revisions" for further information