

Statistical bulletin

Producer price inflation, UK: September 2023 including services, July to September 2023

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).



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Notice

18 October 2023

In the paragraph above Table 1 we incorrectly stated that the August monthly inflation rate was 0.7%, but this should have said 0.8%. The value of 0.8% in Table 1 is correct. The text has been updated. We apologise for any inconvenience caused.

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1 . Main points

- Producer input prices fell by 2.6% in the year to September 2023, down from a revised fall of 2.0% in the year to August 2023.
- Producer output (factory gate) prices fell by 0.1% in the year to September 2023, up from a revised fall of 0.5% in the year to August 2023.
- On a monthly basis, producer input prices and output prices both rose by 0.4% in September 2023.
- Chemicals and petroleum products provided the largest downward contributions to the annual rates of input and output inflation, respectively.
- While annual producer price inflation rates have recently turned negative, with prices in some sectors falling, the index levels for both input and output prices remain substantially higher than their 2021 levels.
- Services producer prices rose by 3.4% in the year to Quarter 3 (July to Sept) 2023, down from a revised increase of 4.7% in the year to Quarter 2 (Apr to June) 2023.

2 . Producer price inflation rates

The annual inflation rate of the input Producer Price Index (PPI) was negative for the fourth consecutive month (Figure 1).

The annual inflation rate of the output PPI was negative for the third consecutive month. However, there has been a month-on-month rise in the rate for the second consecutive month.

The index levels for both input and output prices have remained high since July 2022 (Figure 2). The small changes seen in the past few months, when compared with the broadly stable values over the past year, have created a fall in the annual inflation rate, even though the index levels remain high (Figure 1). We explain this in further detail in our [Beware base effects blog post](#).

Figure 1: Annual input and output PPI inflation rates remained negative in September 2023

Input and output Producer Price Index (PPI) annual inflation rates, UK, September 2013 to September 2023

Figure 1: Annual input and output PPI inflation rates remained negative in September 2023

Input and output Producer Price Index (PPI) annual inflation rates, UK, September 2013 to September 2023



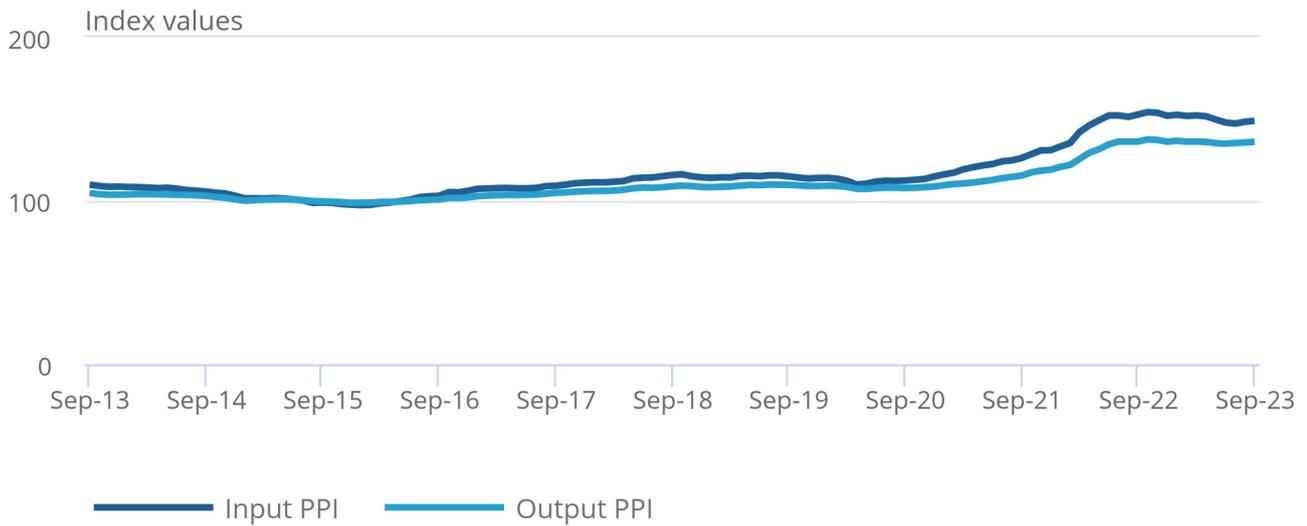
Source: Producer Price Index (PPI) from the Office for National Statistics

Figure 2: The input and output PPI levels rose slightly in September 2023

Input and output Producer Price Index (PPI) values, UK, September 2013 to September 2023

Figure 2: The input and output PPI levels rose slightly in September 2023

Input and output Producer Price Index (PPI) values, UK, September 2013 to September 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

3 . Input producer price inflation

The annual inflation rate of producer input prices decreased by 0.6 percentage points, from a revised fall of 2.0% in the year to August 2023 to a fall of 2.6% to September 2023 (Table 1).

The monthly producer input inflation increased by 0.4% in September 2023, following an upwardly revised increase of 0.8% in August 2023 (Table 1). The figures for both August and September 2023 are provisional, therefore, they may be subject to small revisions as additional survey data are returned and validated.

Table 1: Input prices, index values, inflation rates and percentage point change to the annual inflation rate UK, September 2022 to September 2023

All materials and fuels purchased (GHIP)				
	PPI Index (2015=100)	Monthly inflation rate	Annual inflation rate	Change in the annual inflation rate (percentage points)
2022 Sep	152.8	1.0	21.2	-0.1
Oct	154.2	0.9	20.0	-1.2
Nov	153.8	-0.3	17.6	-2.4
Dec	152.0	-1.1	16.1	-1.5
2023 Jan	152.6	0.4	14.6	-1.5
Feb	151.9	-0.5	12.2	-2.4
Mar	152.2	0.2	7.0	-5.2
Apr	151.7	-0.3	3.7	-3.3
May	149.7	-1.3	0.2	-3.5
Jun	147.9	-1.2	-2.8	-3.0
Jul	147.2	-0.5	-3.3	-0.5
Aug	148.3	0.8	-2.0	1.3
Sep	148.9	0.4	-2.6	-0.6

Source: Producer Price Index (PPI) from the Office for National Statistics

Notes

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

The largest downward contribution to the annual input inflation rate in September 2023 came from inputs of chemicals, which contributed 1.30 percentage points (Figure 3). Overall prices in this product group fell by 7.9% in the year to September 2023 (Table 2), resulting from good availability of raw materials and lower energy costs impacting production.

Inputs of metals and non-metallic minerals, as well as inputs of crude oil, provided the second- and third-largest downward contributions, at 1.26 and 0.91 percentage points, respectively.

There were also offsetting upward contributions from some product groups. Inputs of other parts and equipment, and inputs of fuel provided the largest upward contributions, at 1.06 and 0.71 percentage points, respectively.

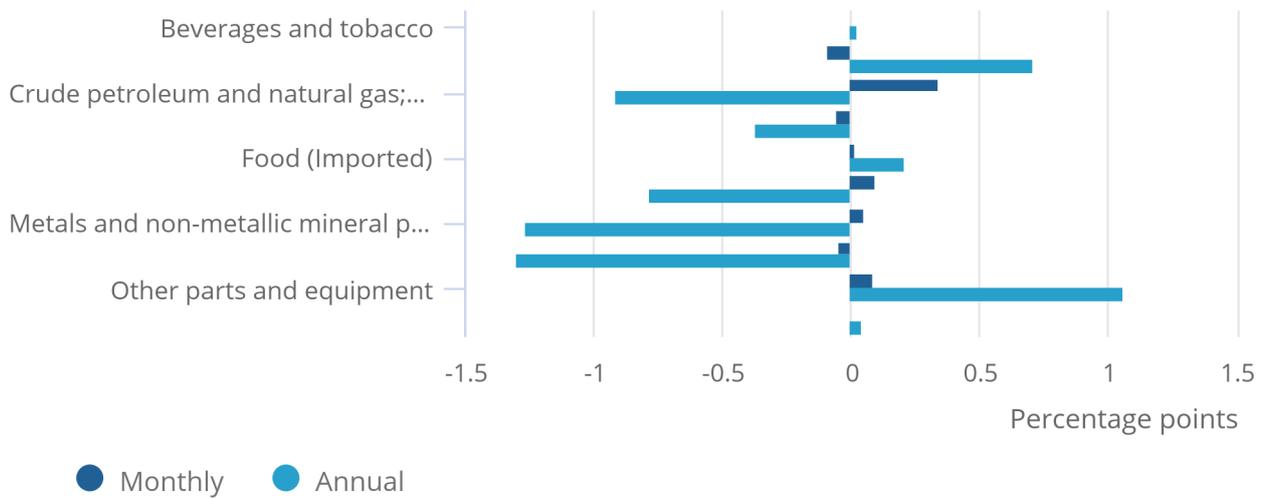
As indicated in our [Classification review of the Energy Bills Discount Scheme statement](#), the data relating to the inputs of fuel now reflect the impact of the Energy Bills Discount Scheme (EBDS), which took effect from May 2023.

Figure 3: Chemicals provided the largest downward contribution to the annual inflation rate of input PPI in September 2023

Input Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, September 2023

Figure 3: Chemicals provided the largest downward contribution to the annual inflation rate of input PPI in September 2023

Input Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, September 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

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

Table 2: Input prices, inflation rates
UK, August and September 2023

Product group	Percentage change		Percentage change	
	August 2023		September 2023	
	Monthly inflation rate	Annual inflation rate	Monthly inflation rate	Annual inflation rate
Beverages and tobacco	-0.6	11.1	0.0	10.3
Fuel	1.2	25.9	-1.8	18.0
Crude petroleum and natural gas; Metal ores	15.7	-19.3	5.5	-11.1
Food (Domestic)	-1.2	0.0	-0.4	-1.9
Food (Imported)	0.5	15.0	0.6	10.3
Other produced material	1.1	-7.0	0.9	-5.9
Metals and non-metallic mineral products	-0.2	-2.8	0.2	-3.5
Chemicals	-0.8	-6.7	-0.3	-7.9
Other parts and equipment	0.3	2.3	0.4	0.8
Other inputs	0.1	4.0	0.2	2.7
Manufactured products	0.8	-2.0	0.4	-2.6

Source: Producer Price Index (PPI) from the Office for National Statistics

Of the 10 product groups for input Producer Price Index (PPI), 7 showed downward contributions to the change in the annual inflation rate, with inputs of fuel, and inputs of other parts and equipment, providing the largest, both at 0.32 percentage points (Figure 4).

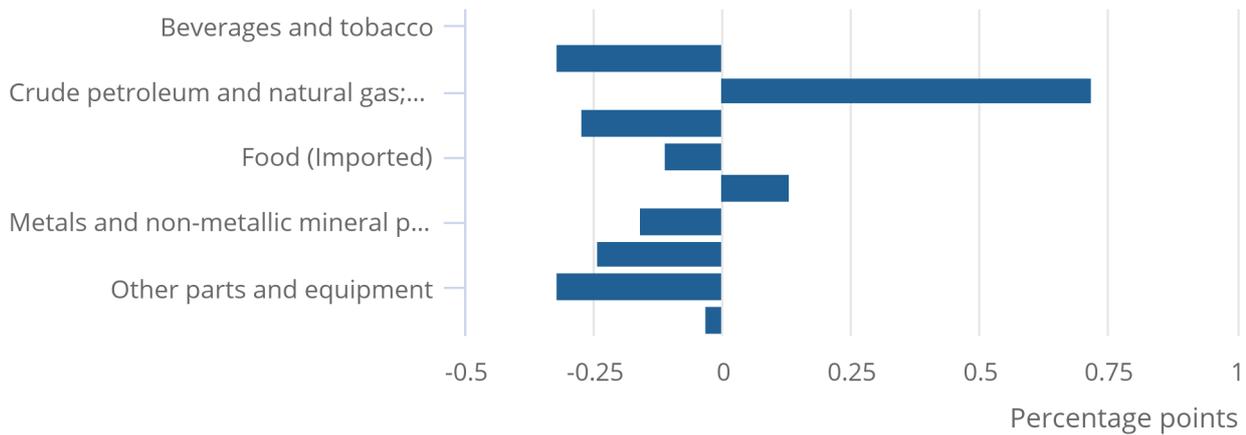
Fuel prices fell by 1.8% between August and September 2023, with the annual inflation rate slowing from an increase of 25.9% in August to an increase of 18.0% in September. The annual inflation rate for other parts and equipment also slowed, from 2.3% in August to 0.8% in September.

Figure 4: Fuel, and other parts and equipment provided the largest downward contributions to the change in the annual inflation rate of input PPI

Input Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, September 2023

Figure 4: Fuel, and other parts and equipment provided the largest downward contributions to the change in the annual inflation rate of input PPI

Input Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, September 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

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

The prices of materials and fuels imported by UK manufacturing rose by 1.4% between August and September 2023, down from a revised increase of 1.7% between July and August. As a result, the annual inflation rate fell by 4.5% in September, down from the fall of 2.0% in August, which is unchanged from from the provisional value first published last month (Table 3).

Table 3: Imported materials and fuels purchased and sterling effective exchange rate, index values, inflation rates and percentage point change to the annual inflation rate
UK, September 2022 to September 2023

	Imported materials and fuels purchased (GD74)			Change in the annual inflation rate (percentage points)	Sterling effective exchange rate - month average (BK67)		
	PPI Index (2015=100)	Monthly inflation rate	Annual inflation rate		Sterling Index (Jan 2005=100)	Monthly rate	Annual rate
2022 Sep	149.7	4.1	24.4	3.6	76.3	-3.5	-6.4
Oct	150.7	0.6	24.3	-0.1	77.0	0.8	-6.2
Nov	147.1	-2.4	19.7	-4.6	78.1	1.5	-4.1
Dec	144.0	-2.1	16.6	-3.1	79.0	1.2	-2.9
2023 Jan	145.5	1.0	17.3	0.7	78.3	-1.0	-5.3
Feb	146.0	0.4	14.7	-2.6	77.8	-0.6	-5.8
Mar	145.1	-0.6	8.5	-6.2	78.3	0.6	-4.3
Apr	143.7	-1.0	5.2	-3.3	79.3	1.3	-2.4
May	141.7	-1.4	1.1	-4.1	80.1	1.0	0.3
Jun	139.7	-1.4	-2.6	-3.7	81.7	2.0	3.0
Jul	138.6	-0.8	-3.1	-0.5	82.6	1.1	4.6
Aug	140.9	1.7	-2.0	1.1	82.3	-0.3	4.1
Sep	143.0	1.4	-4.5	-2.5	81.4	-1.1	6.7

Source: Producer Price Index (PPI) from the Office for National Statistics

Notes

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

4 . Output producer price inflation

The annual inflation rate of producer output (factory gate) prices increased by 0.4 percentage points, from a revised fall of 0.5% in the year to August 2023 to a fall of 0.1% to September 2023. This was the third consecutive month that the rate has been negative, and the second consecutive rise in the annual inflation rate.

Producer output inflation increased by 0.4% in September 2023, following a rise of 0.2% in August 2023 (Table 4).

Table 4: Output prices, index values, inflation rates and percentage point change to the annual inflation rate UK, September 2022 to September 2023

All manufactured products (GB7S)				
	PPI Index (2015=100)	Monthly inflation rate	Annual inflation rate	Change in the annual inflation rate (percentage points)
2022 Sep	136.2	0.0	18.0	-0.8
Oct	137.5	0.9	17.2	-0.8
Nov	137.2	-0.2	15.8	-1.4
Dec	136.1	-0.8	14.4	-1.4
2023 Jan	136.7	0.5	13.2	-1.2
Feb	136.2	-0.4	11.7	-1.5
Mar	136.2	0.1	8.4	-3.3
Apr	136.0	-0.1	5.1	-3.3
May	135.2	-0.6	2.7	-2.4
Jun	134.9	-0.2	0.3	-2.4
Jul	135.3	0.2	-0.7	-1.0
Aug	135.6	0.2	-0.5	0.2
Sep	136.1	0.4	-0.1	0.4

Source: Producer Price Index (PPI) from the Office for National Statistics

Notes

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

The largest downward contribution to the annual output inflation rate in September 2023 came from refined petroleum products, which contributed 2.31 percentage points (Figure 5). This product group saw a price fall of 18.8% in the year to September (Table 5), up from a 29.4% fall in the year to August.

Despite providing the second-largest downward contribution to the annual rate, prices for basic metals, fabricated metal products and machinery increased by 2.0% in the year to September 2023. The downward contribution was caused by the 2023 weight for this product group being lower than its weight in 2022. We provide more information in our [Chain-linking in business prices article](#) and in Section 5 of our [Producer price inflation, UK: February 2023 bulletin](#).

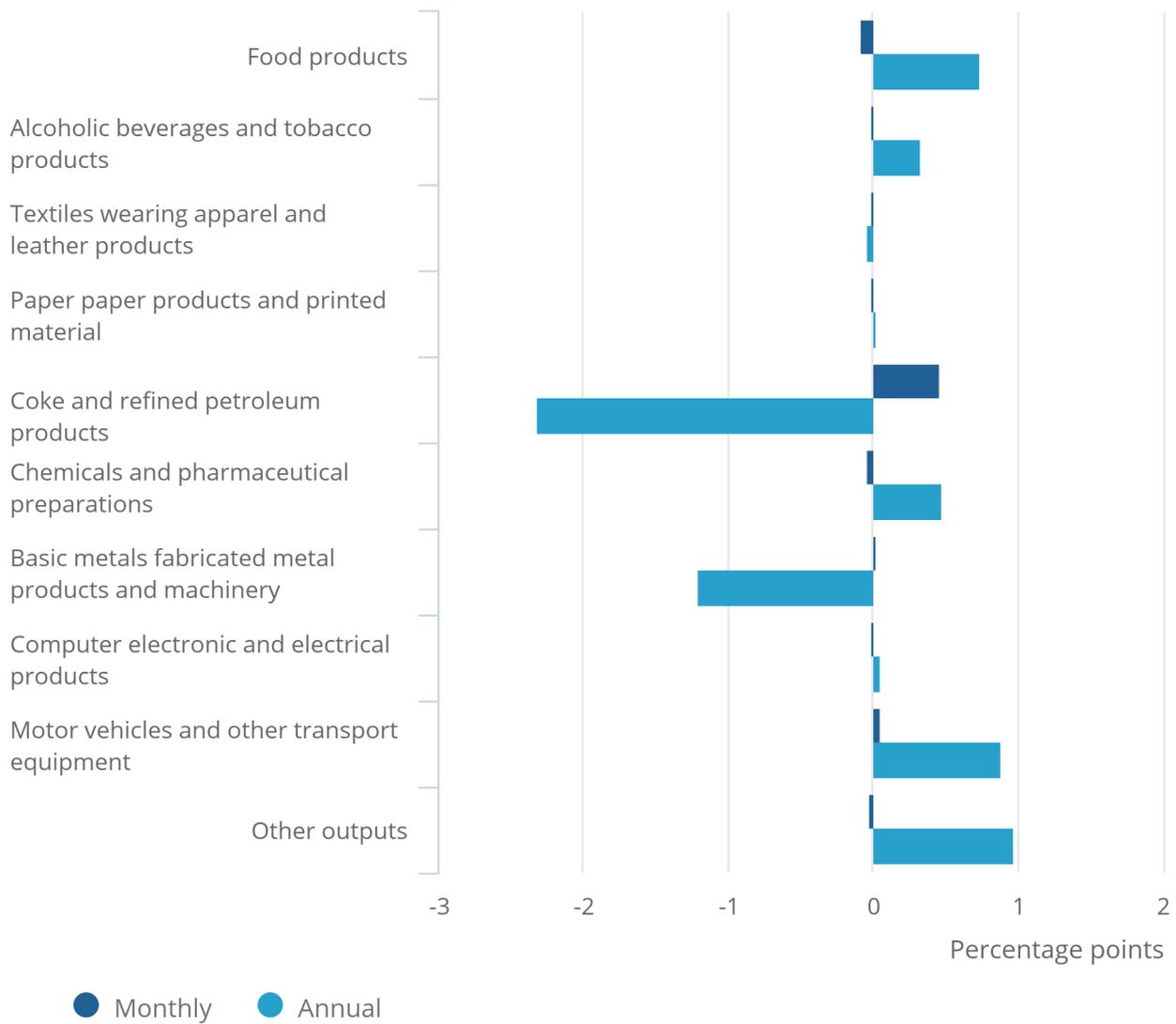
The largest offsetting upward contribution to the annual output inflation rate in September 2023 came from other outputs from manufacturing, which contributed 0.98 percentage points.

Figure 5: Petroleum provided the largest downward contribution to the annual inflation rate of output PPI in September 2023

Output Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, September 2023

Figure 5: Petroleum provided the largest downward contribution to the annual inflation rate of output PPI in September 2023

Output Producer Price Index (PPI), contribution to monthly and annual inflation rate, UK, September 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

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

Table 5: Output prices, inflation rates
UK, August and September 2023

Product group	Percentage change		Percentage change	
	August 2023		September 2023	
	Monthly inflation rate	Annual inflation rate	Monthly inflation rate	Annual inflation rate
Food products	-0.7	5.1	-0.3	3.7
Alcoholic beverages and tobacco products	0.0	11.8	0.2	13.6
Textiles, wearing apparel and leather products	0.0	6.5	0.3	6.2
Paper, paper products and printed material	-0.3	0.7	0.0	-1.2
Coke and refined petroleum products	8.6	-29.4	6.9	-18.8
Chemicals and pharmaceutical preparations	-1.0	-8.9	-0.5	-10.0
Basic metals, fabricated metal products and machinery	0.0	1.9	0.2	2.0
Computer, electronic and electrical products	0.1	3.9	0.0	3.7
Motor vehicles and other transport equipment	0.2	1.6	0.3	0.6
Other outputs	-0.3	4.7	-0.1	3.9
Manufactured products	0.2	-0.5	0.4	-0.1

Source: Producer Price Index (PPI) from the Office for National Statistics

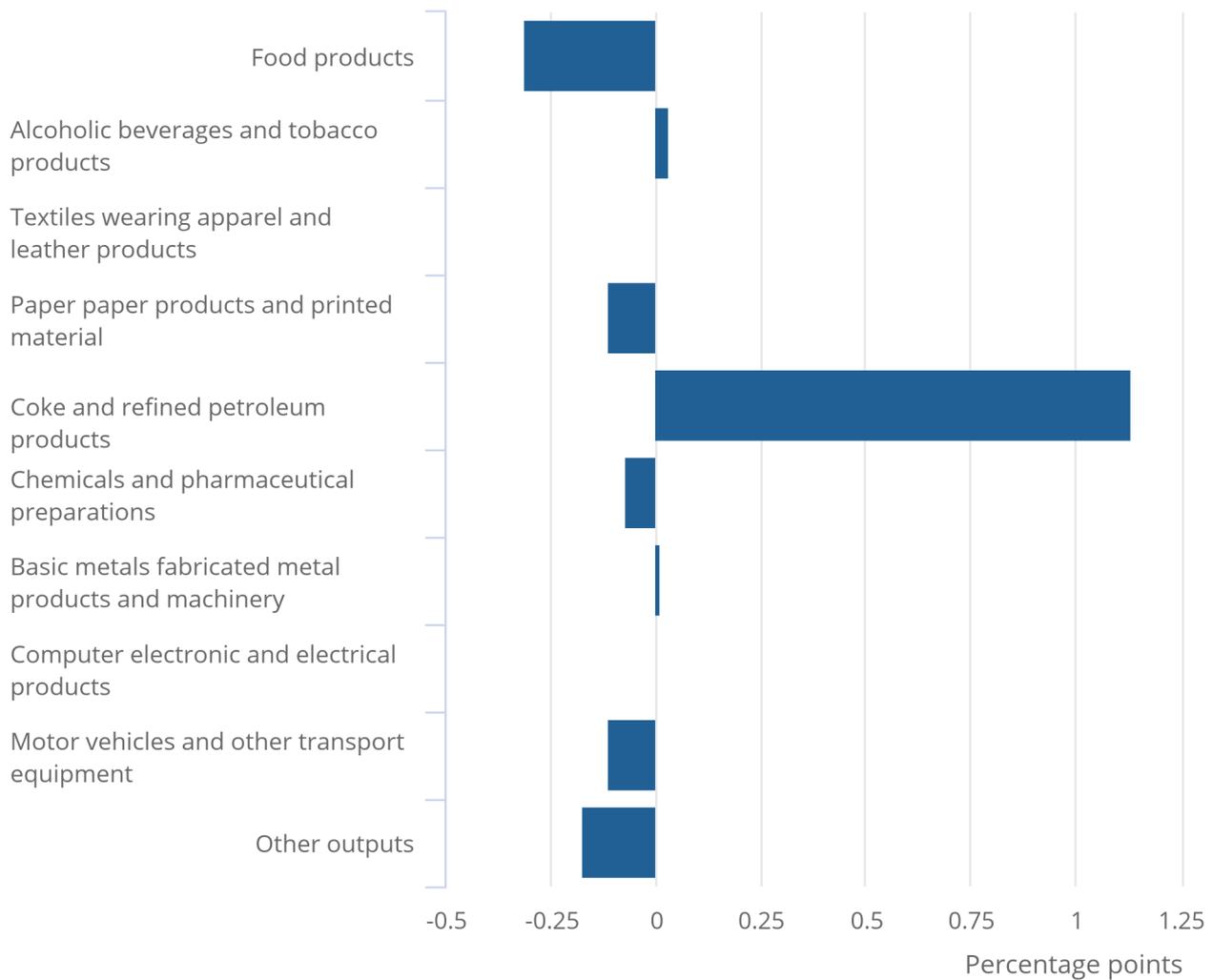
Of the 10 product groups, 3 showed upward contributions to the change in the annual inflation rate, with petroleum products providing the largest at 1.13 percentage points (Figure 6). Smaller upward contributions came from alcoholic beverages and tobacco products, and metals.

Figure 6: Petroleum products provided the largest upward contribution to the change in the annual output inflation rate

Output Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, September 2023

Figure 6: Petroleum products provided the largest upward contribution to the change in the annual output inflation rate

Output Producer Price Index (PPI), contribution to change in the annual inflation rate, UK, September 2023



Source: Producer Price Index (PPI) from the Office for National Statistics

Notes:

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

5 . Services producer price inflation

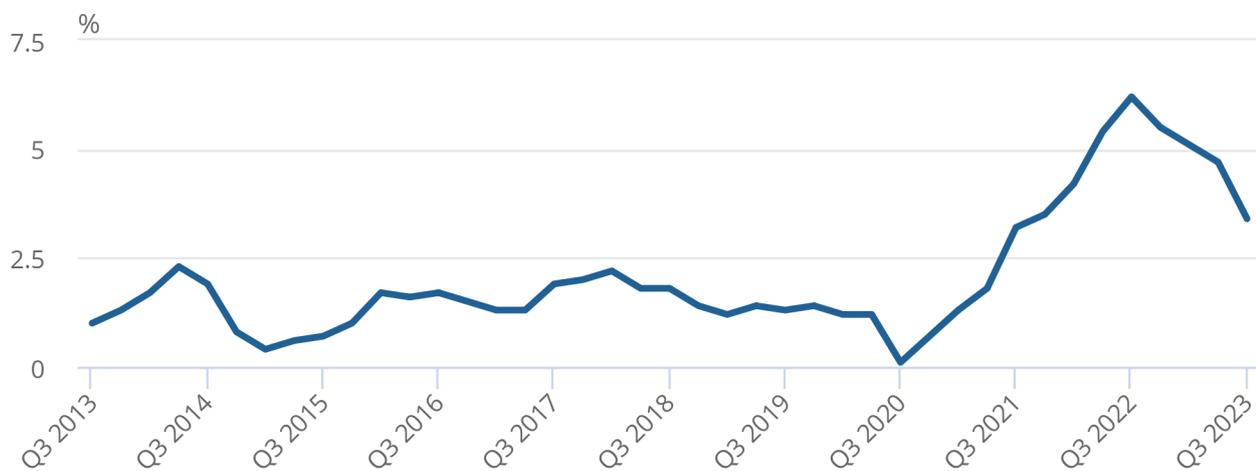
The annual rate of inflation for services, excluding financial and insurance services, provided by UK companies, was 3.4% in Quarter 3 (July to Sept) 2023. The annual rate has slowed for the fourth consecutive quarter following the record high of 6.2% in Quarter 3 2022 (Figure 7).

Figure 7: The annual rate of inflation for the Services Producer Price Index (SPPI) has continued to slow in Quarter 3 (July to Sept) 2023

SPPI, UK, Quarter 3 2013 to Quarter 3 2023

Figure 7: The annual rate of inflation for the Services Producer Price Index (SPPI) has continued to slow in Quarter 3 (July to Sept) 2023

SPPI, UK, Quarter 3 2013 to Quarter 3 2023



Source: Services Producer Price Index (SPPI) from the Office for National Statistics

The quarter-on-quarter growth of services producer prices was 0.5% in Quarter 3 2023, down from 1.5% in Quarter 2 (Apr to June) 2023 (Table 6).

Table 6: Services Producer Prices
 UK, Quarter 3 (July to Sept) 2022 to Quarter 3 (July to Sept) 2023

Percentage change

	SPPI Index (2015=100)	Quarterly inflation rate	Annual inflation rate	Change in the annual inflation rate (percentage points)
2022 Q3	117.3	1.7	6.2	0.8
Q4	117.7	0.3	5.5	-0.7
2023 Q1	119.0	1.1	5.1	-0.4
Q2	120.8	1.5	4.7	-0.4
Q3	121.3	0.5	3.4	-1.3

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

The largest upward contribution to the annual rate for Services Producer Price Index (SPPI) in Quarter 3 2023 came from information and communication services, at 3.23 percentage points (Figure 8). The annual rate in Quarter 3 2023 was 2.6%, down from 3.5% in Quarter 2 2023 (Table 7). This was mainly driven by price increases in the provision of computer programming services.

The second-largest annual contribution came from professional, scientific and technical services, at 2.25 percentage points, with an annual inflation rate of 4.4% reflecting price increases in the provision of legal and accounting services.

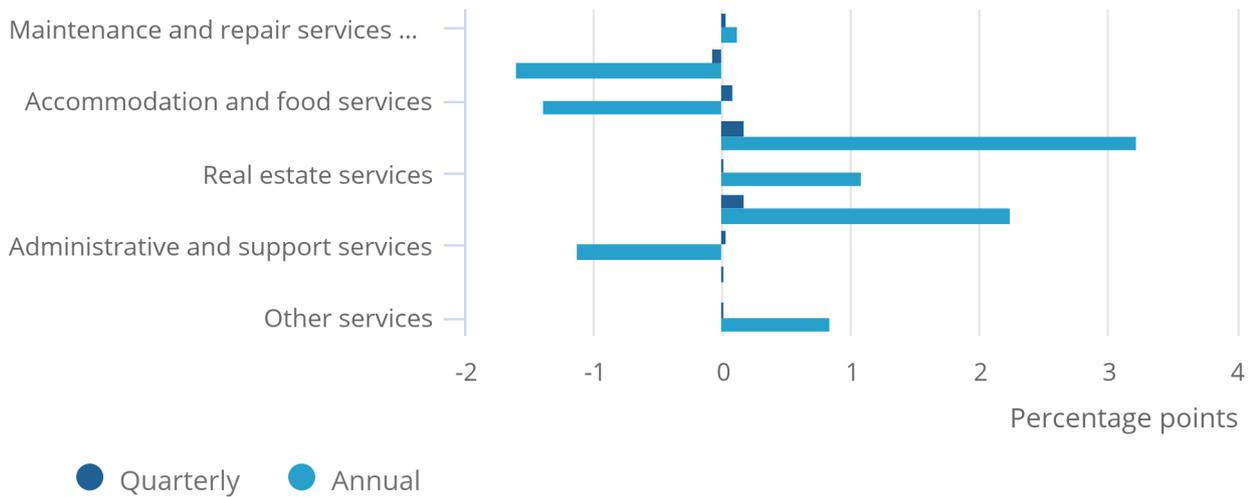
These two product groups also provided the largest upward contributions to the quarterly rate, both at 0.17 percentage points, with quarterly price increases of 0.9% and 0.6%, respectively.

Figure 8: Information and communication services made the largest upward contribution to the SPPI annual inflation rate

SPPI, contribution to quarterly and annual inflation rates, UK, Quarter 3 (July to Sept) 2023

Figure 8: Information and communication services made the largest upward contribution to the SPPI annual inflation rate

SPPI, contribution to quarterly and annual inflation rates, UK, Quarter 3 (July to Sept) 2023



Source: Services Producer Price Index (SPPI) from the Office for National Statistics

Notes:

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

Table 7: SPPI, quarterly and annual inflation rates
 UK, Quarter 2 (Apr to June) 2023 and Quarter 3 (July to Sept) 2023

UK

Service group	Percentage change		Percentage change	
	Quarter 2 2023		Quarter 3 2023	
	Quarterly inflation rate	Annual inflation rate	Quarterly inflation rate	Annual inflation rate
Repair and maintenance of motor vehicles	3.3	9.6	1.7	9.3
Transportation and storage	-0.1	1.7	-0.4	-1.6
Accommodation and food	3.9	9.3	0.8	9.0
Information and communication	0.5	3.5	0.9	2.6
Real estate activities	0.9	-1.4	0.3	-1.3
Professional, scientific and technical activities	1.2	5.4	0.6	4.4
Administrative and support services	3.0	4.9	0.3	4.0
Education	0.9	6.2	1.0	6.4
Other services	4.0	16.0	0.3	10.8
SPPI	1.5	4.7	0.5	3.4

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

6 . Producer price inflation data

[Producer price inflation time series](#)

Dataset | Released 18 October 2023

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 annual rates](#)

Dataset | Released 18 October 2023

Contributions to the annual inflation rates of input and output producer price inflation by component and overall inflation rates.

[Producer price inflation](#)

Dataset MM22 | Released 18 October 2023

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

7 . 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 that 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).

If the producer price inflation rate is a positive value, this indicates that prices have risen, while a negative value indicates that prices have fallen.

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.

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.

Services producer price inflation

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

8 . Measuring the data

Producer prices development plan

The Office for Statistics Regulation (OSR) quality report of the Producer Price Indices (PPI) was published in July 2023. The report notes the excellent progress made recently in bringing PPI in line with methodological best practice, but also highlights areas that need to be improved.

Read the [full OSR report](#).

The [producer prices development plan](#) was published in October 2023 detailing the work that will be undertaken over the next year to improve the quality of PPI data and continue to meet user needs.

The Producer Price Index

The Producer Price Index (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 -- contribution is usually positive
- 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 (QMI) on strengths, limitations, appropriate uses, and how the data were created is available in our [Producer price indices QMI](#) and our [Services Producer Price Inflation QMI](#).

Other useful documentation from the Office for National Statistics for the PPI and the Services Producer Price Index (SPPI) are:

- [Producer Price Indices methods changes article](#)
- [Chain-linking in business prices article](#)
- [Producer price weight changes article](#)
- [Services producer price weight changes article](#)
- [Guidance on using indices in Indexation Clauses \(PDF, 197KB\)](#)
- [PPI methods and guidance \(PDF, 1.14MB\)](#)
- [SPPI user guidance and methodology article](#)
- [PPI standard errors: 2017 datasets](#)
- [UK SPPI standard errors: 2016 to 2017 article](#)

Sterling effective exchange rate

The sterling effective exchange rate measures changes in the strength of sterling relative to baskets 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 transactions in the manufacturing sector.

Data revisions policy

Figures for the latest two months are provisional, and the latest 12 months are subject to revisions because of late and revised respondent data. The PPI revision policy is now in line with that of the national accounts. Published information on the [revisions policy](#) and revisions triangles shows how estimates are revised over time.

9 . Strengths and limitations

Strengths

These data:

- provide users with valuable insight into the changes in the prices of goods and services bought and sold by UK manufacturers
- are comprehensive, covering many products at a much greater level of detail than other surveys
- are internationally comparable with any country using the classification by product activity (CPA) or the central product classification (CPC) systems
- are created using a rotational sampling method to enable many new products and new respondents to be included
- are chain-linked annually to improve results in deflation by reducing substitution bias

Limitations

The limitations are that:

- 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

Response rates in September 2023

The response rate for the domestic PPI increased between August and September 2023, whereas the response rate for the Import Price Index (IPI) and Export Price Index (EPI) show a decrease for the same period (Table 8).

The response rate for the SPPI shows an increase between Quarter 2 (Apr to June) 2023 and Quarter 3 (July to Sept) 2023 (Table 9).

Table 8: Producer Price Index (PPI), Import Price Index (IPI) and Export Price Index (EPI) overall effective response rates at time of first publishing
Percentage, UK, September 2022 to September 2023

Weighted response			
	PPI (domestic)	IPI	EPI
September 2022	71.9	74.8	78.2
October 2022	73.3	61.3	71.6
November 2022	78.0	73.3	71.7
December 2022	78.2	72.9	73.7
January 2023	77.9	71.7	73.9
February 2023	78.1	78.9	78.2
March 2023	77.8	75.4	74.7
April 2023	78.9	79.3	74.6
May 2023	78.3	82.2	75.8
June 2023	76.1	80.4	77.7
July 2023	74.8	82.4	72.2
August 2023	79.0	83.9	77.3
September 2023	80.3	80.8	73.4

Source: Producer Price Index (PPI) from the Office for National Statistics

Table 9: Services Producer Price Index (SPPI) overall effective response rates at time of first publishing
Percentage, Quarter 3 (July to Sept) 2022 to Quarter 3 (July to Sept) 2023

Weighted Response SPPI	
2022 Q3	78.6
Q4	80.0
2023 Q1	79.0
Q2	81.3
Q3	85.4

Source: Services Producer Price Index (SPPI) from the Office for National Statistics

10 . Related links

[Consumer price 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: June 2023, new orders and Construction Output Price Indices, April to June 2023](#)

Bulletin | Released 11 August 2023

Short-term measures of output by construction industry in June 2023, contracts awarded for new construction work in Great Britain and a summary of the Construction Output Price Indices (OPIs) in the UK for Quarter 2 (Apr to June) 2023.

[GDP monthly estimate, UK](#)

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Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy.

11 . Cite this statistical bulletin

Office for National Statistics (ONS), released 18 October 2023, ONS website, statistical bulletin, [Producer price inflation, UK: September 2023 including services, July to September 2023](#)

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		
	Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over	
		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths
	6150333333			6150333390			6140190000			6150888897		
	GB7S			GBBV			G6ST			GBA6		
2023 Mar	136.2r	0.1	8.4	135.0r	0.3	8.2	200.6	-4.2	-11.6	133.1	0.5	15.0
Apr	136.0r	-0.1	5.1	135.0r	-	5.9	190.5	-5.0	-25.0	133.9	0.6	13.6
May	135.2	-0.6	2.7	134.4r	-0.4	3.9	179.2	-5.9	-31.5	134.1	0.1	11.7
Jun	134.9r	-0.2	0.3	134.1r	-0.2	3.0	178.8	-0.2	-39.3	134.0	-0.1	9.3
Jul	135.3	0.2	-0.7	134.2	0.1	2.1	185.5	3.7	-38.4	133.9	-0.1	7.4
Aug	135.6p	0.2	-0.5	134.0p	-0.1	1.5	201.4p	8.6	-29.4	133.0p	-0.7	5.7
Sep	136.1p	0.4	-0.1	134.1p	-	0.7	215.4p	6.9	-18.8	132.6p	-0.3	4.5

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		
	Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over	
		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths
	6158333333			6158888897			6148190000		
	GD73			GBA7			G6SU		
2023 Mar	132.7	-0.2	5.1	132.0	0.3	14.2	136.1	-2.3	-9.2
Apr	132.3r	-0.2	2.1	133.8	1.3	13.6	132.3	-2.8	-15.6
May	131.2r	-0.8	-0.4	133.9	0.1	11.7	128.1	-3.1	-19.6
Jun	131.0	-0.2	-3.5	133.8	-	9.4	127.7	-0.3	-25.9
Jul	131.5	0.4	-4.6	133.8	-	7.5	130.2	1.9	-26.4
Aug	132.4p	0.7	-3.3	132.9p	-0.6	6.0	136.1p	4.5	-20.0
Sep	133.5p	0.8	-1.7	132.6p	-0.3	4.8	141.8p	4.2	-12.2

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

	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		
	Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over	
		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths
	7390333333			7390333392			7390333397			7390333394		
	GHIP			GHIO			GHIK			GHIM		
2023 Mar	152.2	0.2	7.0	148.9r	0.2	8.5	149.2r	0.2	5.6	246.2	-0.1	44.3
Apr	151.7r	-0.3	3.7	148.9	-0.1	4.8	148.0r	-0.8	2.4	271.8	10.4	36.0
May	149.7	-1.3	0.2	146.9r	-1.3	2.3	146.3	-1.2	-1.3	260.4	-4.2	39.5
Jun	147.9	-1.2	-2.8	145.5	-1.0	0.5	144.3	-1.4	-4.5	264.7	1.6	41.5
Jul	147.2	-0.5	-3.3	144.5	-0.6	-0.3	143.8	-0.4	-4.7	256.8	-3.0	33.2
Aug	148.3p	0.8	-2.0	144.5p	-	-0.9	144.8p	0.7	-3.1	260.0p	1.3	24.2
Sep	148.9p	0.4	-2.6	144.6p	0.1	-2.2	145.6p	0.5	-3.5	255.3p	-1.8	18.3

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

							Percentage change		Percentage change	
							1 month		12 months	
		2023	2023	2023	2023	2023	2023	2023	2023	2023
		May	Jun	Jul	Aug	Sep	Aug	Sep	Aug	Sep
Gross Sector										
Output of manufactured products	GB7S 6158333333	135.2	134.9r	135.3	135.6p	136.1p	0.2	0.4	-0.5	-0.1
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV 6150333390	134.4r	134.1r	134.2	134.0p	134.1p	-0.1	-	1.5	0.7
<hr/>										
Food products, beverages and tobacco, excluding duty	GBA6 6150888897	134.1	134.0	133.9	133.0p	132.6p	-0.7	-0.3	5.7	4.5
Food products	G6SI 6140100000	134.5	134.7r	134.2	133.3p	132.9p	-0.7	-0.3	5.1	3.7
Alcoholic beverages, excluding duty	G6SJ 6140110000	128.4r	126.9r	128.8	127.7p	127.5p	-0.9	-0.2	9.7	10.4
Soft drinks, mineral waters and other bottled waters	EVPU 6120110700	120.2	117.4r	123.3	120.6p	119.8p	-2.2	-0.7	6.8	5.8
Textiles	G6SN 6140130000	125.1	125.1	125.5	125.5p	125.8p	-	0.3	7.1	6.7
Wearing apparel	G6SO 6140140000	113.9	114.2	114.2	114.4p	114.4p	0.2	-	4.5	4.2
Leather and related products	G6SP 6140150000	126.5	126.2r	126.4	126.4p	127.7p	-	1.0	4.3	5.3
Wood and products of wood and cork, except furniture	G6SQ 6140160000	154.6	153.9	154.1	154.2p	153.6p	-	-0.4	-2.6	-2.5
Paper and paper products	G6SR 6140170000	136.0	134.5	133.3	132.2p	132.2p	-0.8	-	-4.4	-5.5
Printing and recording services	G6SS 6140180000	131.3r	132.0r	132.3	132.6p	132.6p	0.2	-0.1	7.8	5.0
Coke and refined petroleum products, excluding duty	G6ST 6140190000	179.2	178.8	185.5	201.4p	215.4p	8.6	6.9	-29.4	-18.8
Chemicals and chemical products	G6SV 6140200000	143.2	140.9	141.1	139.4p	138.5p	-1.2	-0.6	-11.2	-12.4
Basic pharmaceutical products and pharmaceutical preparations	G6SW 6140210000	109.5	110.6	107.4	107.5p	107.4p	0.1	-0.1	1.3	1.0
Rubber and plastic products	G6SX 6140220000	137.2r	137.9r	138.1	137.6p	137.6p	-0.3	-	1.1	0.4
Other non-metallic mineral products	G6SY 6140230000	157.4	159.5	160.3	159.6p	159.1p	-0.4	-0.3	13.0	11.5
Basic metals	G6SZ 6140240000	188.0	184.4	181.5	180.0p	179.5p	-0.8	-0.3	-15.5	-14.9
Fabricated metal products, except machinery and equipment	G6T3 6140250000	147.0	145.0	146.9	147.1p	147.5p	0.1	0.2	6.0	6.1
Computer, electronic and optical products	G6T5 6140260000	116.2r	116.1	115.8	115.5p	115.6p	-0.3	0.1	2.5	2.1
Electrical equipment	G6VF 6140270000	130.7r	131.4r	131.5	132.2p	132.1p	0.5	-0.1	5.8	6.0
Machinery and equipment n.e.c.	G6VG 6140280000	131.9	131.9	131.8	132.0p	132.4p	0.2	0.2	6.0	5.1
Motor vehicles, trailers and semi-trailers	G6WH 6140290000	120.3	120.3	120.2	120.2p	120.2p	-	-	3.2	1.7
Other transport equipment	G72N 6140300000	118.7	118.7	118.3	118.8p	119.5p	0.4	0.6	0.3	-0.2
Furniture	G75I 6140310000	132.0	132.5r	132.2	132.2p	133.2p	-	0.7	6.8	6.8
Other manufactured goods	G776 6140320000	111.6	111.9	111.9	112.1p	112.3p	0.2	0.2	2.5	2.1
Repair and installation services of machinery and equipment	G777 6140330000	121.0	120.5	120.5	120.5p	120.7p	0.1	0.1	3.5	2.3

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

							Percentage change 1 month		Percentage change 12 months	
		2023 May	2023 Jun	2023 Jul	2023 Aug	2023 Sep	2023 Aug	2023 Sep	2023 Aug	2023 Sep
Gross sector										
Other mining & quarrying products	GHEA 7390080000	156.3	156.7r	157.9	159.4p	159.7p	0.9	0.2	4.8	3.9
Manufacture of food products, beverages, tobacco	GHHV 7390888897	150.8	148.2	147.2	146.2p	145.9p	-0.6	-0.2	2.7	0.6
Preserved meat & meat products	GHEF 7390101000	148.1	145.2r	143.7	142.3p	141.9p	-1.0	-0.3	-0.7	-2.8
Fish, crustaceans, molluscs, fruit & vegetables	GHEH 7390333387	158.0r	146.9r	144.7	141.6p	142.0p	-2.1	0.3	2.4	1.3
Vegetable & animal oils & fats	GHEJ 7390104000	195.4	196.0	197.7	201.3p	200.9p	1.8	-0.2	12.6	4.7
Dairy products	GHEL 7390105000	153.2	149.6r	147.8	146.1p	145.8p	-1.1	-0.2	-5.2	-6.9
Grain mill products, starches & starch products	GHEN 7390106000	155.5	154.1r	153.5	153.1p	152.4p	-0.2	-0.4	4.7	1.2
Bakery & farinaceous products	GHEP 7390107000	150.8	150.9	150.5	150.6p	150.1p	-	-0.3	7.0	4.7
Other food products	GHER 7390108000	146.7	146.5	146.3	146.4p	146.2p	0.1	-0.1	9.1	7.0
Animal feeds	GHET 7390109000	151.2	149.7r	148.3	147.3p	146.4p	-0.7	-0.6	-0.2	-2.4
Alcoholic Beverages	GHEV 7390333384	150.1	150.1	149.1	149.3p	148.9p	0.1	-0.3	7.3	6.2
Soft drinks; mineral waters & other bottled waters	GHEX 7390110700	135.9r	135.6r	136.4	136.0p	135.7p	-0.3	-0.2	6.3	5.1
Tobacco products	GHEZ 7390120000	151.8	148.8r	147.0	146.1p	146.2p	-0.7	0.1	-4.5	-7.8
Manufacture of textiles & textile products; clothing	GHHW 7390888895	133.7r	133.3r	133.1	133.1p	133.3p	-	0.2	4.5	3.1
Textiles	GHFB 7390130000	136.0r	135.5	135.1	135.0p	135.0p	-0.1	-	4.1	2.6
Wearing apparel	GHFD 7390140000	129.6	129.4r	129.4	129.6p	130.1p	0.2	0.4	5.4	4.0
Manufacture of leather & related products	GHFF 7390150000	136.6r	135.7r	135.1	134.9p	135.2p	-0.2	0.2	3.0	2.1
Manufacture of wood & wood products	GHFH 7390160000	155.1	154.5	154.4	154.7p	154.6p	0.2	-0.1	-5.1	-4.4
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ 7390888892	145.3r	144.7r	143.7	143.3p	143.2p	-0.3	-0.1	0.7	-0.8
Pulp, paper & paper products	GHFJ 7390170000	149.9r	149.1r	147.9	147.5p	147.4p	-0.3	-0.1	-	-1.3
Printing & recording services	GHFL 7390180000	139.3r	138.8r	138.2	137.8p	137.7p	-0.3	-0.1	1.6	-0.1
Manufacture of coke & refined petroleum products	GHFN 7390190000	180.1	175.1r	177.9	202.5p	212.9p	13.8	5.1	-18.7	-11.1
Manufacture of chemicals, chemical products & man-made fibres	GHIB 7390888890	155.3	152.7r	151.4	151.0p	150.5p	-0.3	-0.3	-10.2	-11.5
Paints, varnishes & similar coatings, printing ink & mastics	GHFP 7390203000	149.7	147.5r	146.8	145.4p	144.8p	-0.9	-0.4	-4.3	-5.7
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR 7390204000	140.8r	140.2r	139.4	139.0p	139.1p	-0.3	-	1.3	-0.2
Other chemical products	GHFT 7390205000	142.3r	140.8r	140.1	139.6p	139.6p	-0.4	-	-1.2	-2.1
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV 7390333378	168.3r	165.2	163.3	162.4p	160.7p	-0.5	-1.1	-16.7	-19.5
Petrochemicals & man made fibres	GHFX 7390333377	159.3	155.8r	154.6	154.5p	154.2p	-0.1	-0.2	-13.5	-14.2
Dyes & pigments: pesticides & other agrochemical products	GHFZ 7390333376	158.2	156.4r	154.1	154.5p	153.8p	0.2	-0.4	-3.9	-4.8
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB 7390210000	128.5r	128.1r	126.2	126.1p	125.9p	-0.1	-0.1	0.8	-0.5
Manufacture of rubber & plastic products	GHGD 7390220000	149.5r	147.9r	147.1	146.2p	145.8p	-0.6	-0.3	-1.1	-2.5
Manufacture of cement, lime & plaster	GHGF 7390333375	159.1	159.3	159.9	160.5p	160.2p	0.3	-0.2	4.4	3.5
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH 7390333374	155.3	155.2r	156.0	157.1p	157.1p	0.7	-	3.0	1.9
Manufacture of basic metals & fabricated products	GHIF 7390888884	174.0	171.8	170.0	170.4p	170.8p	0.3	0.2	-2.5	-3.8
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ 7390333369	189.8	188.0	183.4	183.7p	183.6p	0.1	-	-6.0	-8.4
Other basic metals & casting	GHGL 7390333368	185.7	182.9	180.5	182.6p	184.3p	1.2	0.9	-0.7	-2.2
Weapons & ammunition	GHGN 7390254000	145.8r	145.0	145.0	145.1p	145.1p	-	-	5.0	4.4
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP 7390333365	166.6	164.2	163.6	163.5p	163.4p	-0.1	-	-2.7	-3.3
Manufacture of computer, electronic & optical products, electrical equipment	GHIG 7390888883	139.2	138.4r	137.8	137.9p	138.1p	-	0.2	2.5	0.9
Computer, electronic & optical products	GHGR 7390260000	136.0	135.3	134.8	134.8p	135.0p	-	0.2	3.3	1.3
Electrical equipment	GHGT 7390270000	142.8r	142.0r	141.3	141.4p	141.6p	0.1	0.1	1.6	0.5
Manufacture of machinery & equipment n.e.c	GHGV 7390280000	148.5r	146.8	146.3	146.2p	146.4p	-	0.1	1.2	0.1
Manufacturing of motor vehicles & other transport equipment	GHII 7390888881	139.2r	137.9r	137.2	137.4p	137.9p	0.2	0.4	-0.2	-1.5
Motor vehicles, trailers & semi trailers	GHGX 7390290000	135.0r	133.9r	133.6	133.4p	133.5p	-0.1	0.1	1.2	-0.2
Ships & boats	GHGZ 7390301000	143.4r	142.0	141.5	141.4p	141.5p	-0.1	0.1	-1.8	-2.5
Aircraft & spacecraft & related machinery	GHHB 7390303000	148.9r	147.2	145.5	146.4p	147.8p	0.6	1.0	-2.7	-3.9
Other transport equipment	GHHD 7390333358	126.8r	126.2r	125.8	127.0p	127.2p	0.9	0.2	2.7	1.8
Manufacture of other manufactured goods n.e.c	GHIJ 7390888880	151.1r	149.9r	149.4	149.4p	149.7p	-	0.1	-	-1.0
Furniture	GHHF 7390310000	151.8	150.9	150.5	150.6p	150.6p	-	-	-1.8	-2.3
Other manufacturing	GHHH 7390320000	150.6r	149.2r	148.5	148.5p	148.9p	-	0.3	1.4	-
Repair & maintenance of ships & boats	GHHJ 7390331500	145.2	143.7	142.7	142.5p	142.3p	-0.1	-0.2	-6.2	-6.1
Repair & maintenance services of aircraft & spacecraft	GHHL 7390331600	116.3	115.1	113.3	114.6p	116.4p	1.1	1.6	-3.3	-4.3
Other repair; installation	GHHN 7390333355	136.4r	135.9r	135.8	137.0p	137.6p	0.9	0.4	-1.7	-1.0

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 1 month		Percentage change 12 months		
		2023 May	2023 Jun	2023 Jul	2023 Aug	2023 Sep	2023 Aug	2023 Sep	2023 Aug	2023 Sep	
Fuel excl. CCL	FSQ3 7490222295	270.8	276.5	266.9	270.2p	265.4p	1.2	-1.8	25.9	18.0	
Mining of coal & lignite exc CCL	GHDW 7390050000	174.5r	186.6r	174.5	178.3p	180.3p	2.2	1.1	-2.8	-9.9	
Electricity excl. CCL	GHHP 7390351000	256.5	260.3	253.9	257.7p	254.3p	1.5	-1.3	23.8	17.3	
Gas excl. CCL	GHHR 7390444499	250.9	252.7	240.5	249.4p	244.4p	3.7	-2.0	4.7	5.7	
Crude Oil	FSQ4 7490444498	180.0	173.7	176.5	204.1p	215.4p	15.7	5.5	-19.3	-11.1	
Domestic crude oil & metal ores	GGT3 7190222295	181.1	176.1	178.1	209.4p	217.4p	17.6	3.8	-18.6	-11.9	
Imported crude oil & metal ores	GHBV 7290222295	178.0	169.5	173.8	194.9p	212.1p	12.2	8.8	-20.5	-9.6	
Home produced food:	FSP7 7190351000	145.2	142.5	141.3	139.6p	139.1p	-1.2	-0.4	-	-1.9	
Products of agriculture, hunting and related services	GGO7 7190010000	154.1	149.8	147.2	145.1p	144.7p	-1.4	-0.2	-10.4	-11.9	
Fish & other fish products	GGs8 7190030000	183.5r	141.7r	136.3	120.7p	122.0p	-11.5	1.1	-3.6	-1.5	
Preserved meat and meat products	GH2M 7190101000	128.4	128.7	127.7	126.4p	125.8p	-1.0	-0.5	6.1	4.6	
Processed fish & fish products; fruit & vegetables	GH7R 7190333387	129.6r	130.5r	129.7	129.3p	129.3p	-0.3	-	10.4	9.2	
Vegetable & animal oils and fats	GH7S 7190104000	195.4	194.8	194.4	195.1p	192.1p	0.4	-1.5	11.6	-0.5	
Dairy products	GH8A 7190105000	151.3	150.6r	148.8	145.4p	144.8p	-2.3	-0.4	-8.0	-8.9	
Grain mill products, starches and starch products	GH8B 7190106000	145.6	145.9	146.4	145.8p	144.3p	-0.4	-1.0	7.4	5.5	
Bakery and Farinaceous products	GH8C 7190107000	132.3r	132.2r	133.3	132.8p	133.7p	-0.4	0.7	10.3	9.7	
Other Food products	GH8L 7190108000	122.8	123.7r	124.4	124.9p	124.9p	0.4	-	10.8	10.2	
Prepared animal feeds	GH98 7190109000	154.3	153.4	151.2	149.4p	147.7p	-1.2	-1.2	-3.2	-4.8	
Imported food materials	FSP9 7490333354	176.8	170.3	170.9	171.7p	172.8p	0.5	0.6	15.0	10.3	
Agricultural crop products	GHBQ 7290010000	149.1	133.6	133.2	130.6p	130.3p	-1.9	-0.2	5.1	0.9	
Fish & fish products	GHBS 7290030000	158.1	156.4	153.8	164.8p	167.6p	7.2	1.7	0.4	-0.5	
Meat & meat products	GHBX 7290101000	194.7	193.1	193.1	191.9p	191.0p	-0.6	-0.5	18.8	10.9	
Processed fish & fish products, fruit & vegetables	GHBY 7290333387	142.8	137.0	136.6	137.3p	139.1p	0.5	1.3	6.7	3.0	
Vegetable & animal oils & fats	GHBZ 7290104000	205.8	210.8	225.4	238.5p	247.1p	5.9	3.6	23.2	21.8	
Dairy products	GHCA 7290105000	174.0	172.8	171.5	172.4p	173.2p	0.6	0.4	12.1	5.6	
Grain mill products & starches	GHCB 7290106000	193.8	192.7	188.4	188.8p	190.5p	0.2	0.9	18.5	14.8	
Bakery & farinaceous products	GHCC 7290107000	187.4	184.5	184.7	184.7p	185.0p	-	0.2	33.9	27.8	
Other food products	GHCD 7290108000	242.6	239.3	244.8	248.0p	251.2p	1.3	1.3	31.5	26.3	
Prepared animal feeds	GHCE 7290109000	179.5	173.0	173.2	173.1p	169.1p	-	-2.4	7.0	-3.5	
Other home produced materials	FSQ2 7490333353	146.0	145.3r	145.9	147.4p	148.8p	1.1	0.9	-7.0	-5.9	
Forestry products	GGP2 7190020000	173.5	173.5	173.5	173.5p	173.5p	-	-	-26.8	-19.8	
Other mining & quarrying products exc agg	GH2L 7190080000	142.6	143.3	148.4	149.6p	149.2p	0.8	-0.3	9.3	7.9	
Textiles	GHAE 7190130000	125.1	125.1	125.5	125.5p	125.8p	-	0.3	7.1	6.7	
Wearing Apparel	GHAF 7190140000	113.9	114.2	114.2	114.4p	114.4p	0.2	-	4.5	4.2	
Leather and related products	GHAG 7190150000	126.5	126.2r	126.4	126.4p	127.7p	-	1.0	4.3	5.3	
Wood and products of wood and cork, exc furniture	GHAH 7190160000	154.6	153.9	154.1	154.2p	153.6p	-	-0.4	-2.6	-2.5	
Paper and paper products	GHAI 7190170000	136.0	134.5	133.3	132.2p	132.2p	-0.8	-	-4.4	-5.5	
Coke & refined petroleum products	GHAK 7190190000	179.2	178.8	185.5	201.4p	215.4p	8.6	6.9	-29.4	-18.8	
Water collection, treatment & supply	GHBP 7190360000	121.8	121.8	121.8	121.8p	121.8p	-	-	9.8	9.8	

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 1 month		Percentage change 12 months		
		2023 May	2023 Jun	2023 Jul	2023 Aug	2023 Sep	2023 Aug	2023 Sep	2023 Aug	2023 Sep	
Inputs of Metals and Non-Metallic Mineral products	FSQ8 7390333351	173.1	170.0	169.1	168.8p	169.2p	-0.2	0.2	-2.8	-3.5	
Cement, lime, plaster and articles of concrete, cement & plaster	GHGF 7390333375	159.1	159.3	159.9	160.5p	160.2p	0.3	-0.2	4.4	3.5	
Glass, refractory clay, porcelain, ceramic and stone products	GHGH 7390333374	155.3	155.2r	156.0	157.1p	157.1p	0.7	-	3.0	1.9	
Basic iron, steel & alloys, tubes, pipes, hollow profiles and fittings	GHGJ 7390333369	189.8	188.0	183.4	183.7p	183.6p	0.1	-	-6.0	-8.4	
Other basic metals & casting	GHGL 7390333368	185.7	182.9	180.5	182.6p	184.3p	1.2	0.9	-0.7	-2.2	
Weapons & ammunition	GHGN 7390254000	145.8r	145.0	145.0	145.1p	145.1p	-	-	5.0	4.4	
Fabricated metal products excluding weapons & ammunition	GHGP 7390333365	166.6	164.2	163.6	163.5p	163.4p	-0.1	-	-2.7	-3.3	
Inputs of Chemicals	FSQ7 7490333352	140.3r	138.4r	137.6	136.5p	136.2p	-0.8	-0.3	-6.7	-7.9	
Paints, varnishes & coatings, printing inks & other mastics	GHFP 7390203000	149.7	147.5r	146.8	145.4p	144.8p	-0.9	-0.4	-4.3	-5.7	
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR 7390204000	140.8r	140.2r	139.4	139.0p	139.1p	-0.3	-	1.3	-0.2	
Other chemical products	GHFT 7390205000	142.3r	140.8r	140.1	139.6p	139.6p	-0.4	-	-1.2	-2.1	
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	GHFV 7390333378	168.3r	165.2	163.3	162.4p	160.7p	-0.5	-1.1	-16.7	-19.5	
Petrochemicals	GHFX 7390333377	159.3	155.8r	154.6	154.5p	154.2p	-0.1	-0.2	-13.5	-14.2	
Dyes & pigments; pesticides & other agro-chemical products	GHFZ 7390333376	158.2	156.4r	154.1	154.5p	153.8p	0.2	-0.4	-3.9	-4.8	
Basic pharmaceutical products & pharmaceutical preparations	GHGB 7390210000	128.5r	128.1r	126.2	126.1p	125.9p	-0.1	-0.1	0.8	-0.5	
Rubber & plastic products	GHGD 7390220000	149.5r	147.9r	147.1	146.2p	145.8p	-0.6	-0.3	-1.1	-2.5	
Other parts & equipment	FSQ9 7490333349	123.0	122.5	121.9	122.3p	122.8p	0.3	0.4	2.3	0.8	
Computer, electronic & optical products	GHGR 7390260000	136.0	135.3	134.8	134.8p	135.0p	-	0.2	3.3	1.3	
Electrical equipment	GHGT 7390270000	142.8r	142.0r	141.3	141.4p	141.6p	0.1	0.1	1.6	0.5	
Machinery & equipment n.e.c	GHGV 7390280000	148.5r	146.8	146.3	146.2p	146.4p	-	0.1	1.2	0.1	
Motor vehicles, trailers & semi-trailers	GHGX 7390290000	135.0r	133.9r	133.6	133.4p	133.5p	-0.1	0.1	1.2	-0.2	
Ships & boats	GHGZ 7390301000	143.4r	142.0	141.5	141.4p	141.5p	-0.1	0.1	-1.8	-2.5	
Aircraft, spacecraft & related machinery	GHHB 7390303000	148.9r	147.2	145.5	146.4p	147.8p	0.6	1.0	-2.7	-3.9	
Other transport equipment	GHHD 7390333358	126.8r	126.2r	125.8	127.0p	127.2p	0.9	0.2	2.7	1.8	
Other Inputs	FSQ6 7490111196	120.8	120.5	120.5	120.6p	120.7p	0.1	0.2	4.0	2.7	
Printing & recording services	GHFL 7390180000	139.3r	138.8r	138.2	137.8p	137.7p	-0.3	-0.1	1.6	-0.1	
Furniture	GHHF 7390310000	151.8	150.9	150.5	150.6p	150.6p	-	-	-1.8	-2.3	
Other manufactured goods n.e.c	GHHH 7390320000	150.6r	149.2r	148.5	148.5p	148.9p	-	0.3	1.4	-	
Repair & maintenance of ships and boats	GHHJ 7390331500	145.2	143.7	142.7	142.5p	142.3p	-0.1	-0.2	-6.2	-6.1	
Repair & maintenance of aircraft and spaceships	GHHL 7390331600	116.3	115.1	113.3	114.6p	116.4p	1.1	1.6	-3.3	-4.3	
Rest of repair and installation	GHHN 7390333355	136.4r	135.9r	135.8	137.0p	137.6p	0.9	0.4	-1.7	-1.0	
Imported materials:											
Total Imports	GD74 8170111199	141.7r	139.7r	138.6	140.9p	143.0p	1.7	1.4	-2.0	-4.5	

Source: Office for National Statistics

1 The Climate Change Levy was introduced in April 2001.

 p = provisional
 r = revised

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	
		1 mth	12 mths		1 mth	12 mths
	6150333333			6150333390		
	GB7S			GBBV		
2022 Sep	-	-	-0.1	-	-	-
Oct	-	-	-	-0.1	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-0.1	-	-
2023 Jan	-0.1	-	-0.1	-0.1	-	-0.1
Feb	-	-	-	-0.1	-	-
Mar	-0.1	0.1	-	-0.1	-	-
Apr	-0.1	-	-0.1	-0.1	-	-0.1
May	-	-	-0.1	-0.1	-	-0.1
Jun	-0.1	-	-	-0.1	0.1	-
Jul	-	-	-	-0.1	-	-0.1
Aug	-	-	-0.1	-0.1	-	-0.1

Source: Office for National Statistics

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