

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



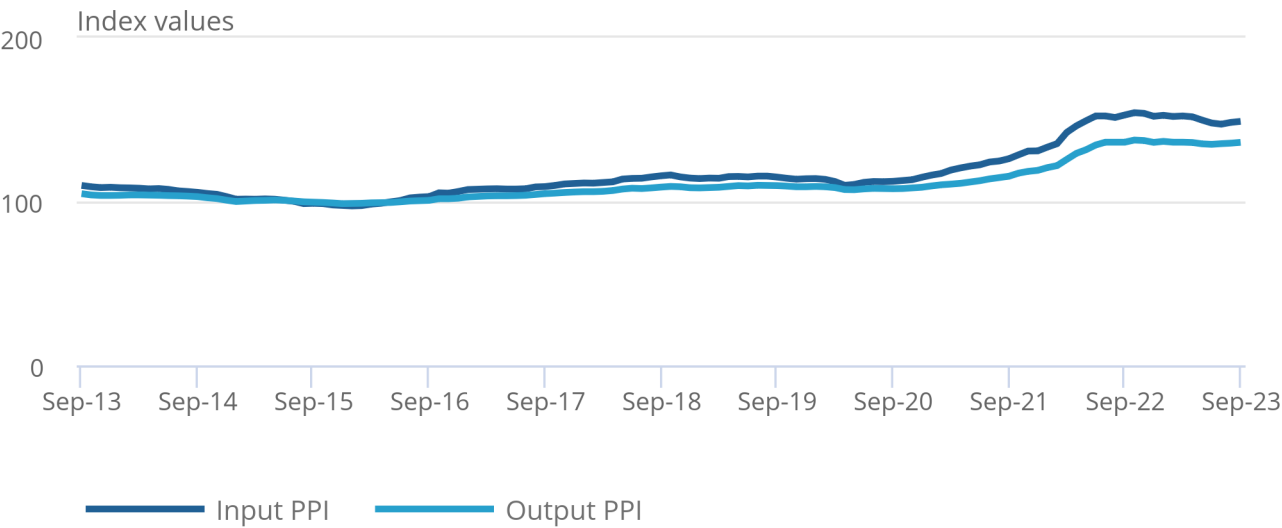
Source: Producer Price Index (PPI) from the Office for National Statistics

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

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

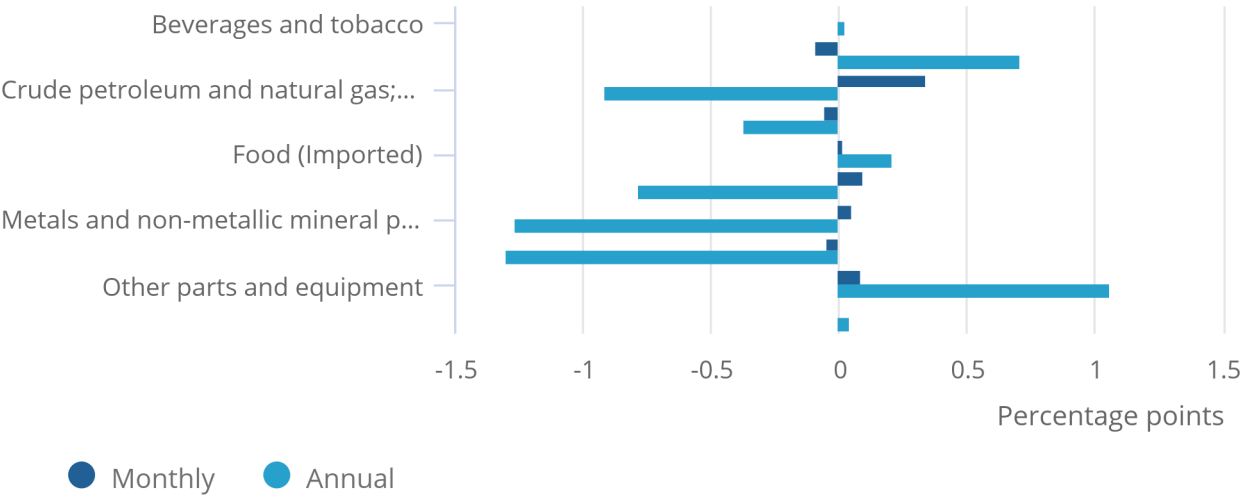
As indicated in our [Classification review of the Energy Bills Discount Scheme statement](#), the data relating to the inputs of fuel now reflect the impact of the Energy Bills Discount Scheme (EBDS), which took effect from May 2023.

**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:

- 1. 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
<b>Beverages and tobacco</b>	-0.6	11.1	0.0	10.3
<b>Fuel</b>	1.2	25.9	-1.8	18.0
<b>Crude petroleum and natural gas; Metal ores</b>	15.7	-19.3	5.5	-11.1
<b>Food (Domestic)</b>	-1.2	0.0	-0.4	-1.9
<b>Food (Imported)</b>	0.5	15.0	0.6	10.3
<b>Other produced material</b>	1.1	-7.0	0.9	-5.9
<b>Metals and non-metallic mineral products</b>	-0.2	-2.8	0.2	-3.5
<b>Chemicals</b>	-0.8	-6.7	-0.3	-7.9
<b>Other parts and equipment</b>	0.3	2.3	0.4	0.8
<b>Other inputs</b>	0.1	4.0	0.2	2.7
<b>Manufactured products</b>	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.

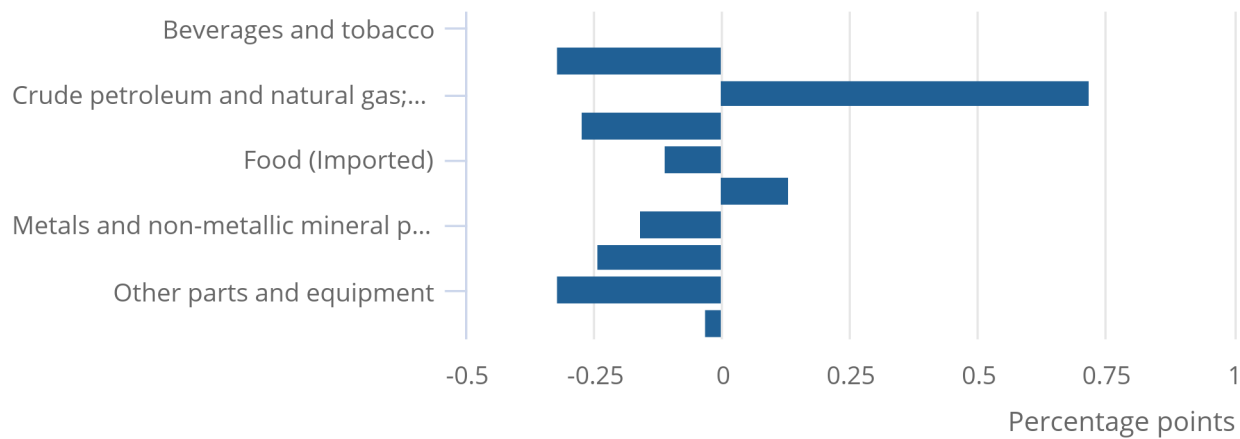


**Figure 4: Fuel, and other parts and equipment provided the largest downward contributions to the change in the annual inflation rate of input PPI**

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

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

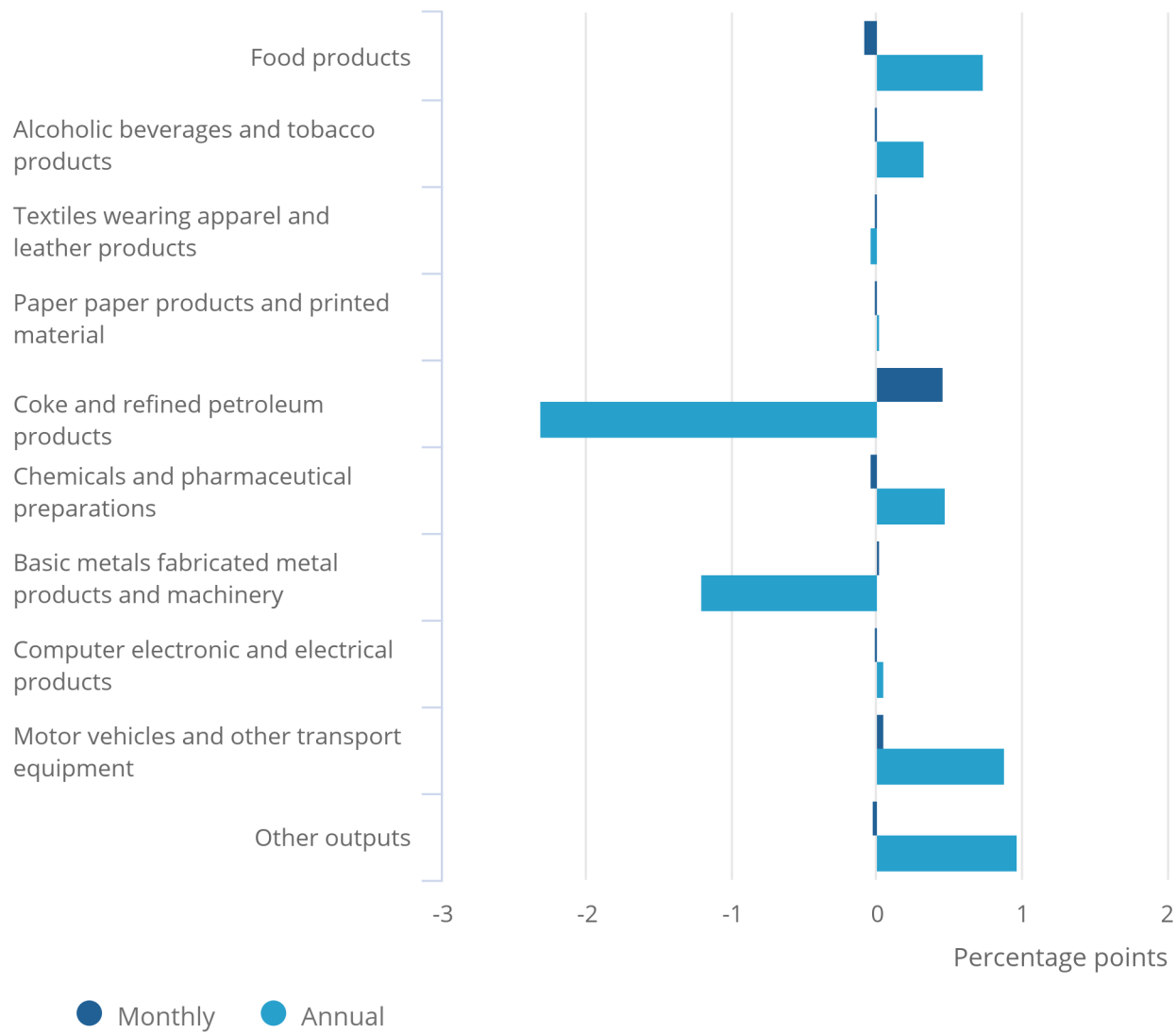
The largest offsetting upward contribution to the annual output inflation rate in September 2023 came from other outputs from manufacturing, which contributed 0.98 percentage points.

**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:

- 1. 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
<b>Food products</b>	-0.7	5.1	-0.3	3.7
<b>Alcoholic beverages and tobacco products</b>	0.0	11.8	0.2	13.6
<b>Textiles, wearing apparel and leather products</b>	0.0	6.5	0.3	6.2
<b>Paper, paper products and printed material</b>	-0.3	0.7	0.0	-1.2
<b>Coke and refined petroleum products</b>	8.6	-29.4	6.9	-18.8
<b>Chemicals and pharmaceutical preparations</b>	-1.0	-8.9	-0.5	-10.0
<b>Basic metals, fabricated metal products and machinery</b>	0.0	1.9	0.2	2.0
<b>Computer, electronic and electrical products</b>	0.1	3.9	0.0	3.7
<b>Motor vehicles and other transport equipment</b>	0.2	1.6	0.3	0.6
<b>Other outputs</b>	-0.3	4.7	-0.1	3.9
<b>Manufactured products</b>	0.2	-0.5	0.4	-0.1

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

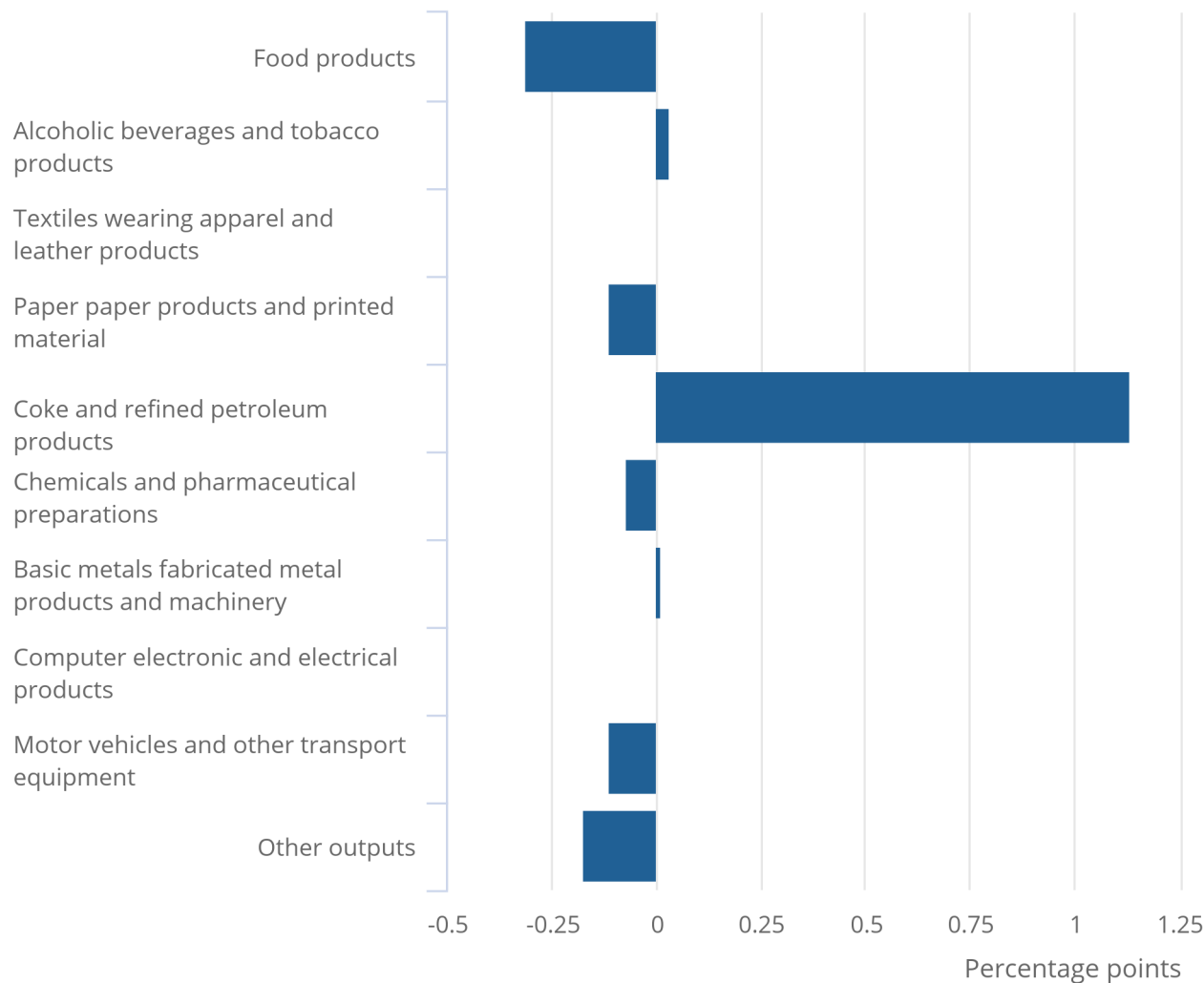
Of the 10 product groups, 3 showed upward contributions to the change in the annual inflation rate, with petroleum products providing the largest at 1.13 percentage points (Figure 6). Smaller upward contributions came from alcoholic beverages and tobacco products, and metals.

**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

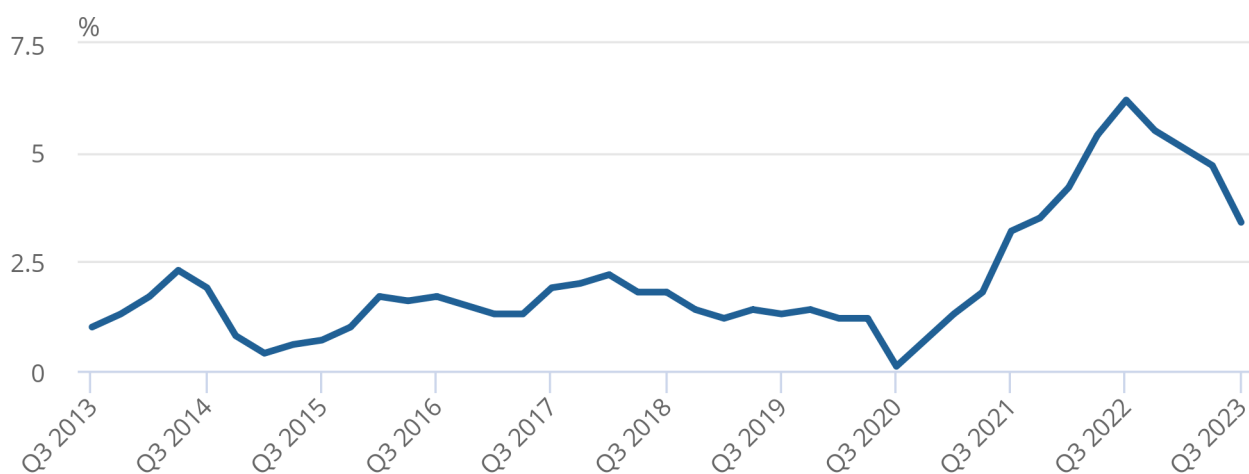
The annual rate of inflation for services, excluding financial and insurance services, provided by UK companies, was 3.4% in Quarter 3 (July to Sept) 2023. The annual rate has slowed for the fourth consecutive quarter following the record high of 6.2% in Quarter 3 2022 (Figure 7).

**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**

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

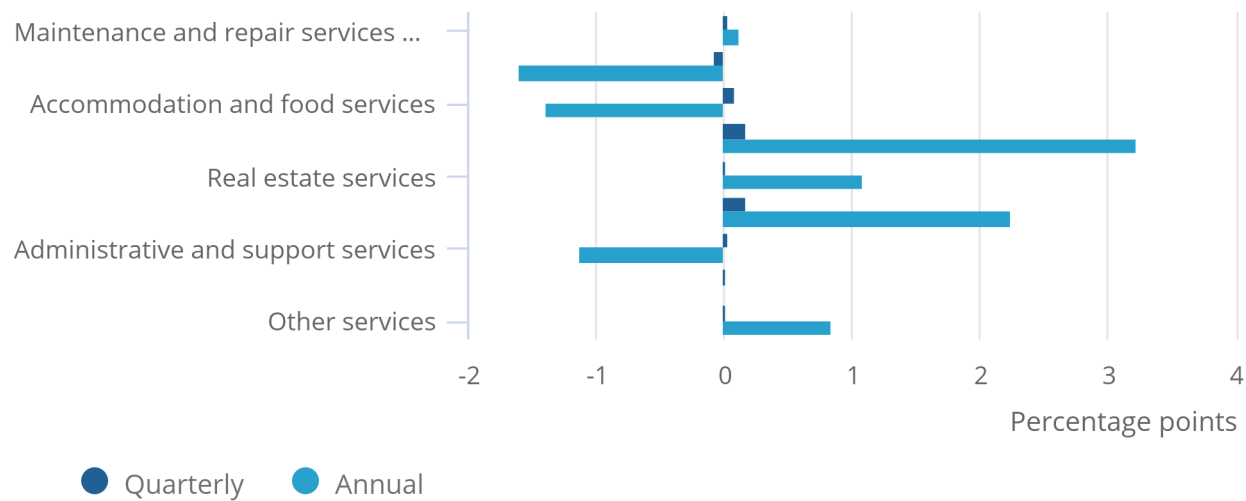


**Figure 8: Information and communication services made the largest upward contribution to the SPPI annual inflation rate**

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
<b>SPPI</b>	<b>1.5</b>	<b>4.7</b>	<b>0.5</b>	<b>3.4</b>

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:

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

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

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

<b>Weighted Response SPPI</b>	
<b>2022 Q3</b>	78.6
<b>Q4</b>	80.0
<b>2023 Q1</b>	79.0
<b>Q2</b>	81.3
<b>Q3</b>	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](#)

Bulletin | Released monthly

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			
		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)		
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			
		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			
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 Levy<sup>1</sup>: 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		
percentage change over				percentage change over				percentage change over			percentage change over		
Index				Index				Index			Index		
(2015=100)				(2015=100)				(2015=100)			(2015=100)		
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**

										2015=100, CPA 2.1				
								Percentage change		Percentage change				
								1 month		12 months				
								2023	2023	2023	2023			
								May	Jun	Jul	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			
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 Levy<sup>1</sup>: materials and fuels purchased by selected industries (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	
<b>Gross sector</b>											
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

<sup>1</sup> 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	
										12 months	
										2023	2023
										Aug	Sep
										2023	2023
										Aug	Sep
										Aug	Sep
<b>Inputs of Metals and Non-Metallic Mineral products</b>	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
<b>Inputs of Chemicals</b>	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
<b>Other parts &amp; equipment</b>	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
<b>Other Inputs</b>	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
<b>Imported materials:</b>											
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