



Department for Energy Security & Net Zero

# Quarterly Energy Prices

UK July to September 2024 and estimated annual data for 2024

### About this release

Information on average prices paid for energy in the United Kingdom and related energy market statistics.

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### Data tables

Additional data are available online as part of the Energy Prices series:

- [Domestic](#)
- [Industrial](#)
- [International comparisons](#)
- [Road fuel](#)

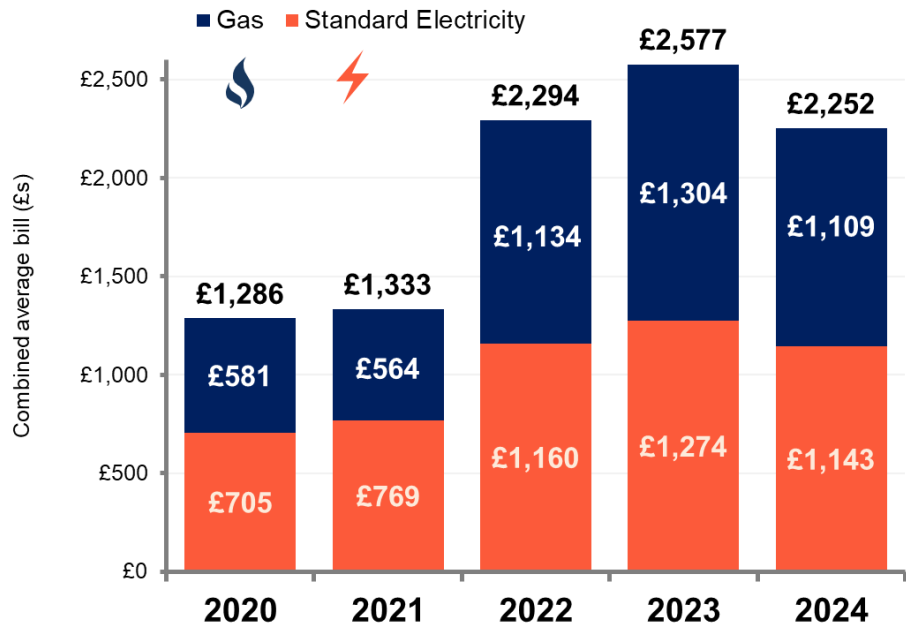
This publication is based on data from several sources, including surveys of energy suppliers.

New data are incorporated in line with the [revisions policy](#)

**Average domestic energy bills in 2024** (based on standard energy consumption levels used in this release) are provisionally estimated to be **£2,252**. In current price terms, this is a **decrease of 13 per cent** (or £326) compared to 2023.

The average standard **electricity** bill is estimated to be **£1,143** in 2024, a decrease of 10 per cent or £131 from 2023. The average estimated **gas** bill is **£1,109**, a decrease of 15 per cent or £195 from 2023.

Typical consumption values in this release are 3,600 kWh a year for electricity and 13,600 kWh a year for gas. Additionally, these figures incorporate the Energy Price Guarantee but do not reflect payments made through the Energy Bills Support Scheme.



Electricity prices for consumers in the manufacturing industry have seen a **decrease of 6.5 per cent** between quarter 3 2023 and the same period in 2024, to an average price of 17.9 pence per kWh. The average price paid for **gas** in the same sector across the same time period has **decreased by 22 per cent** to 3.7 pence per kWh.

The latest available crude oil price index is for **November 2024**. Crude oil prices have decreased compared to three months ago by **7.4 per cent** and November's price was **down 41 per cent** from the recent peak in June 2022. Over the course of 2024, prices have decreased from January to November by **5 per cent**, however, prices remain above pre-pandemic levels. Crude oil prices are **30 per cent** higher than February 2020.

**Road fuel prices:** the mid-month average retail price of petrol for **December 2024** was **136.3 pence per litre** and average retail diesel price was **142.6 pence per litre**, **decreases of 5.1 per cent and 6 per cent respectively** compared to prices in mid-December 2023.

# Introduction

The **Quarterly Energy Prices** (QEP) publication and the associated tables provide information on prices paid for energy and fuels in the United Kingdom and other related energy market statistics. Information is presented for both the **domestic market** (which are the prices paid by households for their energy and fuels) and the **non-domestic sector**.

**Domestic market** metrics presented include the **consumer price index** for fuels used in households (based on Office for National Statistics data), **average gas & electricity bills** for UK households, information on **how customers pay** for their electricity and statistics on **competition in the market**.

## Domestic Market Prices

Data are presented on the **non-domestic sector** (any user of energy that is not a household) and subcategories within this population. Prices paid for fuels in the **industrial sector**, by **manufacturing companies** within this sector and by electricity generating companies (**major power producers**) are outlined in this section.

## Non-Domestic Sector Prices

The publication also provides a summary of national information on prices for **oil and petroleum** products. Additionally, road fuels are collated and published online both on a **weekly** and **monthly** basis here: [www.gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices](http://www.gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices)

## Oil and Petroleum Prices

**International data** are also collated and presented in the publication to provide comparisons between prices paid in the UK with other countries. This includes comparisons with other members of the **International Energy Association** (IEA) and comparisons with **European Union** (EU) member states.

## International Comparisons

This issue of the Quarterly Energy Prices release provides data for the third quarter of the 2024 calendar year (July to September) and, in some series, monthly data, yearly data and revisions to previous quarters' data.

This issue also presents first **estimates for annual domestic energy bills for the 2024 calendar year** based on data for the first three quarters of 2024 and estimates for October to December 2024.

Quarterly updates include data on the **retail price of fuels for the domestic sector**, **customer account transfer statistics** and **proportions of customers and what types of contracts they are on**.

It contains updates on **non-domestic energy prices**, including prices paid by **energy generators**. Additionally, there are updates on the **prices of petroleum products** (both domestically and internationally) and comparisons between **gas and electricity prices in the UK with the European Union**.

**Please note:** When a 'quarter' is referred to in this release it is a quarter (3 months) in the context of a **calendar year**, so 'Quarter 3' refers to 1 July to 30 September unless otherwise stated.

The underlying data series associated with this release are available here:

<b>Domestic energy prices</b>	<a href="http://gov.uk/government/collections/domestic-energy-prices">gov.uk/government/collections/domestic-energy-prices</a>
<b>Industrial energy prices</b>	<a href="http://gov.uk/government/collections/industrial-energy-prices">gov.uk/government/collections/industrial-energy-prices</a>
<b>International price comparisons</b>	<a href="http://gov.uk/government/collections/international-energy-price-comparisons">gov.uk/government/collections/international-energy-price-comparisons</a>
<b>Oil and petroleum product prices</b>	<a href="http://gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices">gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices</a>

Weekly petroleum prices are also available, published as part of the [Weekly Fuel Prices](#) series.

More information on the frequency and specific content of these tables can be found in the [timetable and data tables](#) section.

# Domestic Market Prices

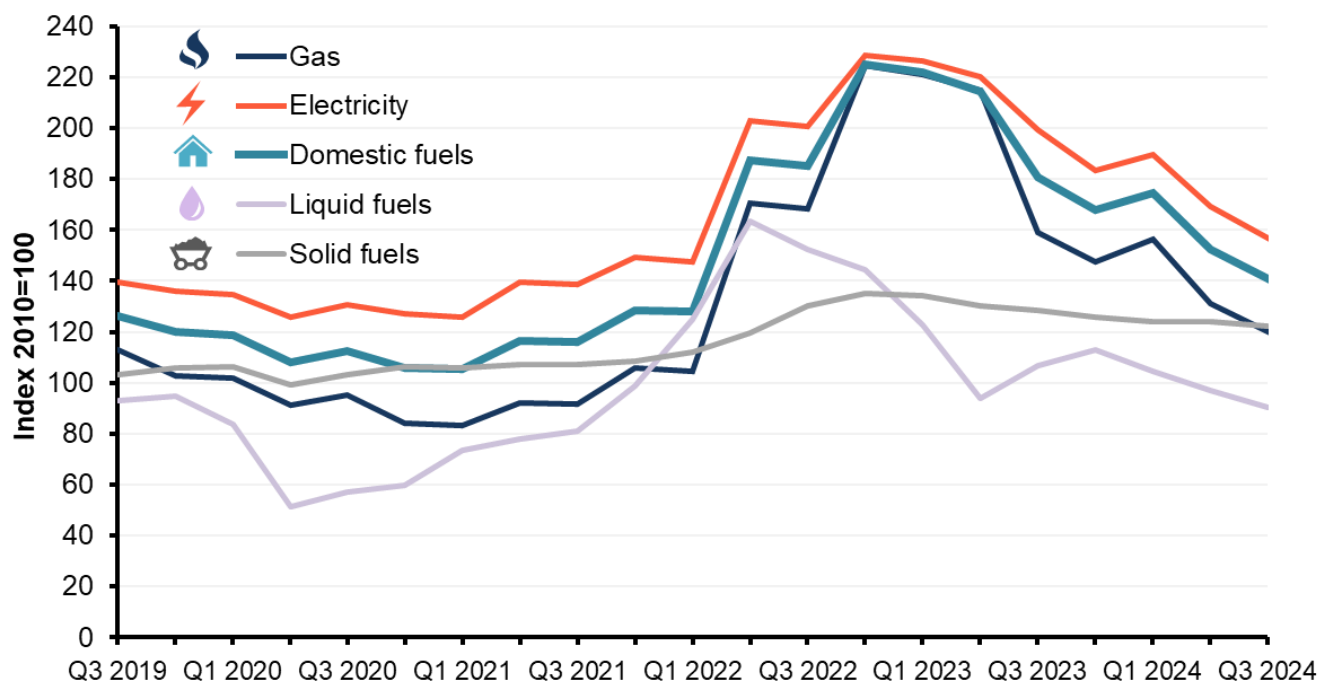
Households in the UK predominantly use **Electricity** from the national grid as their main source of energy. Most households also use **Gas** in their homes. Some households also use other fuels, such as heating oil for fuel-based generators and for heating as alternatives to on-grid options.

The domestic market prices section in this issue covers the provisional **estimated average domestic bills for the 2024 calendar year**, quarterly **market competition** data from Ofgem (the energy market regulator) and **consumer price index data** from ONS (the Office of National Statistics). **Customer proportions** are also presented, based on the same survey data as the estimated domestic bills, to illustrate which methods households used to pay for their energy.

## Retail Price of Fuels for the Domestic Sector

Retail market price **indices** of fuels used in the domestic sector information are sourced from the Office for National Statistics' **Consumer Price Index (CPI)** data series, the full series available here at the [ONS Consumer Price Inflation page](#).

**Chart 2.1: Real terms energy price indices in the domestic sector over the past 5 years, quarterly, UK**



Source: Office of National Statistics, Consumer Prices Index  
Data in real terms, adjusted for inflation using the GDP (market prices) deflator

Reference and links to tables:

[Table 2.1.1 - 2.1.3: Consumer prices index: fuel components in the UK](#)

**Chart 2.1** shows quarterly changes in the domestic sector price indices (in real terms) over the past 5 years.

The price paid for all domestic fuels in quarter 3 2024 (in **real terms** and **including VAT**) **decreased by 22 per cent** when compared with the same quarter in 2023. Electricity prices have **decreased by 21 per cent** and Gas prices **decreased by 25 per cent** over the same time period. ([Tables 2.1.1 - 2.1.2](#)). Between quarter 2 2024 and quarter 3 2024 domestic fuel prices **decreased by 7.7 per cent** in real terms.

The trends in real terms present changes in prices accounting for overall inflation. Given levels of inflation, these trends can be different from the nominal price changes experienced. The nominal price change between quarter 3 2024 and the same time period in 2023, in domestic fuel prices was a **decrease of 20.4 per cent** in

current terms. Electricity and gas **decreased** by **19.5 per cent** and **22.9 per cent** respectively over the same period in current terms.

Prices for electricity and gas closely follow similar trends (see **Chart 2.1**) and as they make up the majority of the weighting for domestic fuels, they steer the trend in overall domestic fuels.

**Solid fuels** in this release include coal and smokeless fuel. The prices presented are based on standard grade household coal and boiler grade smokeless fuel.

**Liquid fuels** in this release comprises of domestic kerosene and similar heating oils. However, prices for other domestic fuels follow different and, in the case of liquid and solid fuels, more erratic trends than other fuels.

Prices of liquid fuels are based on retail market prices and vary depending on the locations sold and are also prone to the effects of other factors such as demand, weather, material, and delivery costs. Additionally, prices for these fuels are not subject to the same level of regulation as seen in the electricity and gas markets, which have price caps set by the regulator.

The price for liquid fuels had been following a decreasing trend since Q2 2022, with an exception against this trend in the second half of 2023. The price paid for liquid fuels in quarter 3 2024 **decreased** by **15 per cent** when compared with the same quarter in 2023 in real terms.

# Domestic electricity and gas bills

This section covers the **provisional<sup>1</sup> domestic bills estimate for 2024**. Final figures will be published in March 2025.

## Bills Calculation

Household bills estimates in this release are based on quarterly snapshots of data provided by a sample of energy companies throughout the year. Bills data are presented (unless noted otherwise) with fixed annual consumption levels of:

**3,600 kWh** for Standard Electricity

**5,100 kWh** for Economy 7 and other time of use electricity tariffs

**13,600 kWh** for Gas

This is to allow comparisons of **price changes** over time by keeping **consumption changes constant**. **Please note:** this differs from the Typical Domestic Consumption Values Ofgem use which are updated more frequently to closer reflect consumers' typical usage.

For information on the derivation of these figures please see the domestic methodology page here: <https://www.gov.uk/government/publications/domestic-energy-prices-data-sources-and-methodology>

Further information on our **proposal to review the consumption levels for 2025 can be found below**.

Actual average domestic consumption of both gas and electricity varies from year to year due to changes such as weather, consumer behaviour and energy efficiency improvements.

Bills based on actual domestic consumption are published in tables 2.2.5 and 2.3.5 (for electricity and gas respectively) and will be updated in March 2025 using annual consumption estimates from the UK Energy Trends.

Additionally, data in tables 2.2.4 and 2.3.4 provide unit prices and fixed costs (standing charge), for electricity and gas respectively, which can be used to calculate an energy bill for any consumption level required (total cost = fixed cost + (unit price x consumption)).

The **provisional average annual domestic bills for 2024** use data reported by suppliers for quarter 1 to quarter 3 with the final quarter's tariff prices being projected from the Q3 tariff data.

Adjustments were applied to the variable tariff price components of the data based on the changes between the Q3 and Q4 2024 Ofgem price cap.

Annual bills will be updated in the March 2025 QEP, at which point, data returns will be available from sampled suppliers for all quarters of 2024.

## Consumption Levels Review

As outlined in the methodology for the 2020 review of household consumption levels, the department carries out a full review of these figures every five years. Therefore, we have recently reviewed the consumption levels used in the calculation of the average bills.

We are **proposing a change to the methodology** compared to the 2020 review. We propose to calculate consumption levels for each year as previously, but to use a **three year average** instead of the latest years' figures. This is to account for yearly fluctuations in household consumption.

The **proposed new values using a three year average** are:

**3,400 kWh** for Standard Electricity

**4,800 kWh** for Economy 7 and other time of use electricity tariffs

**11,200 kWh** for Gas

We propose to retain the assumption of a 50:50 split in the Day and Night consumption for Economy 7 tariffs.

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<sup>1</sup> Provisional estimates are based on data returns for Q1-Q3 from suppliers and are updated in the next issue of this release (March 2025) to incorporate Q4 returns.

This proposal has not been implemented in this release; instead, estimated bills, along with a consistent time series, using the finalised consumption figures will be published in the March 2025 release (which presents final bills data for 2024).

These estimates were calculated using the same process as in 2019 to obtain the current values, but changing to use a three-year average rather than the most recent years' values. This approach takes consumption data for the United Kingdom from the [Digest of UK Energy Statistics \(DUKES\)](#) and calculates an average (mean) from this using customer numbers from the [Energy Consumption in the UK \(ECUK\)](#) publication.

A methodology note outlining in further detail how the proposed new values have been calculated can be found on the domestic methodology page: <https://www.gov.uk/government/publications/domestic-energy-prices-data-sources-and-methodology>

If you have any queries, concerns or input to this change, please contact [energyprices.stats@energysecurity.gov.uk](mailto:energyprices.stats@energysecurity.gov.uk).

## Price Caps and Government Support

Since January 2019, the energy market regulator Ofgem has implemented a price cap to ensure gas and electricity customers pay a fairer price for their energy and are protected against being overcharged. An earlier cap was introduced in April 2017 specifically for those who pay for their energy through a prepayment meter.

The cap is set for a specific time period and applies to tariffs for all customers on standard variable tariffs (it does not affect what can be charged on fixed term contracts), limiting the maximum energy bill (in yearly equivalent terms) for a household with typical consumption. The price cap varies by region and payment method.

Although there was a price cap for October 2022 to June 2023, the Energy Price Guarantee (EPG) was implemented as temporary additional measure to protect consumers and meant that consumers paid less for their energy than they would have under this previously announced price cap. The EPG provided a threshold equivalent to £2,500 a year for a typical dual fuel household bill.

Additionally, from October 2022 to March 2023, households received support through the Energy Bills Support Scheme (EBSS) where £400 of support was paid to households in six monthly payments of £66/67. Given this was an “income-side” support and does not affect the price paid, **this is not reflected in our estimated bills**.

When the price cap for July 2023 was announced as below the Energy Price Guarantee threshold for a typical dual fuel household bill, using Ofgem’s consumption values and paying Direct Debit - the Ofgem Price Cap came back into effect to limit the unit costs and standing charges by region.

**Table 1 Default tariff cap announcement and cap levels<sup>2</sup>**

Period Covered	Cap Level <sup>2</sup>	Cap Applied	Cap In Effect	Ofgem Typical Consumption
Jan 2019 - Apr 2019	£1,137	£1,137	Price Cap	3,100 kWh elec. / 12,000 kWh gas
Apr 2019 - Sep 2019	£1,254	£1,254	Price Cap	3,100 kWh elec. / 12,000 kWh gas
Oct 2019 - Mar 2020	£1,179	£1,179	Price Cap	3,100 kWh elec. / 12,000 kWh gas
Apr 2020 - Sep 2020	£1,162	£1,162	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Oct 2020 - Mar 2021	£1,042	£1,042	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Apr 2021 - Sep 2021	£1,138	£1,138	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Oct 2021 - Mar 2022	£1,277	£1,277	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Apr 2022 - Sep 2022	£1,971	£1,971	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Oct 2022 - Dec 2022	<b>£3,549</b>	<b>£2,500</b>	<b>EPG</b>	2,900 kWh elec. / 12,000 kWh gas
Jan 2023 - Mar 2023	<b>£4,279</b>	<b>£2,500</b>	<b>EPG</b>	2,900 kWh elec. / 12,000 kWh gas
Apr 2023 - Jun 2023	<b>£3,280</b>	<b>£2,500</b>	<b>EPG</b>	2,900 kWh elec. / 12,000 kWh gas
Jul 2023 - Sep 2023	£2,074	£2,074	Price Cap	2,900 kWh elec. / 12,000 kWh gas
Oct 2023 - Dec 2023	£1,834	£1,834	Price Cap	2,700 kWh elec. / 11,500 kWh gas
Jan 2024 - Mar 2024	£1,928	£1,928	Price Cap	2,700 kWh elec. / 11,500 kWh gas
Apr 2024 - Jun 2024	£1,690	£1,690	Price Cap	2,700 kWh elec. / 11,500 kWh gas
Jul 2024 - Sep 2024	£1,568	£1,568	Price Cap	2,700 kWh elec. / 11,500 kWh gas
Oct 2024 - Dec 2024	£1,717	£1,717	Price Cap	2,700 kWh elec. / 11,500 kWh gas

**Please note** that the method we use to calculate average bills will produce average figures different to the cap. We take an average of prices provided to us from energy companies each quarter. As we request all active tariffs at that point in time, this includes fixed tariffs offered in previous years that could be charging more or less than new tariffs offered at the time of request.

Furthermore, Ofgem standard energy consumption rates used to calculate cap levels (11,500 kWh for gas and 2,700kWh for electricity) are lower than the standard energy consumption rates used to calculate annual bills in this release (which are fixed at 13,600kWh for gas and 3,600kWh for electricity).

<sup>2</sup> Based on a typical customer using typical consumptions for dual fuel and paying by Direct Debit. Note that the typical consumption varies over time. For further information, see <https://www.ofgem.gov.uk/energy-price-caps/about-energy-price-caps> Price caps have been set quarterly since January 2023.

## UK average annual energy bill (provisional estimates)

This section presents data based on the fixed consumption levels as outlined in the previous section (3,600 kWh for electricity, 13,600 kWh for gas). Actual household costs will vary by individual consumption.

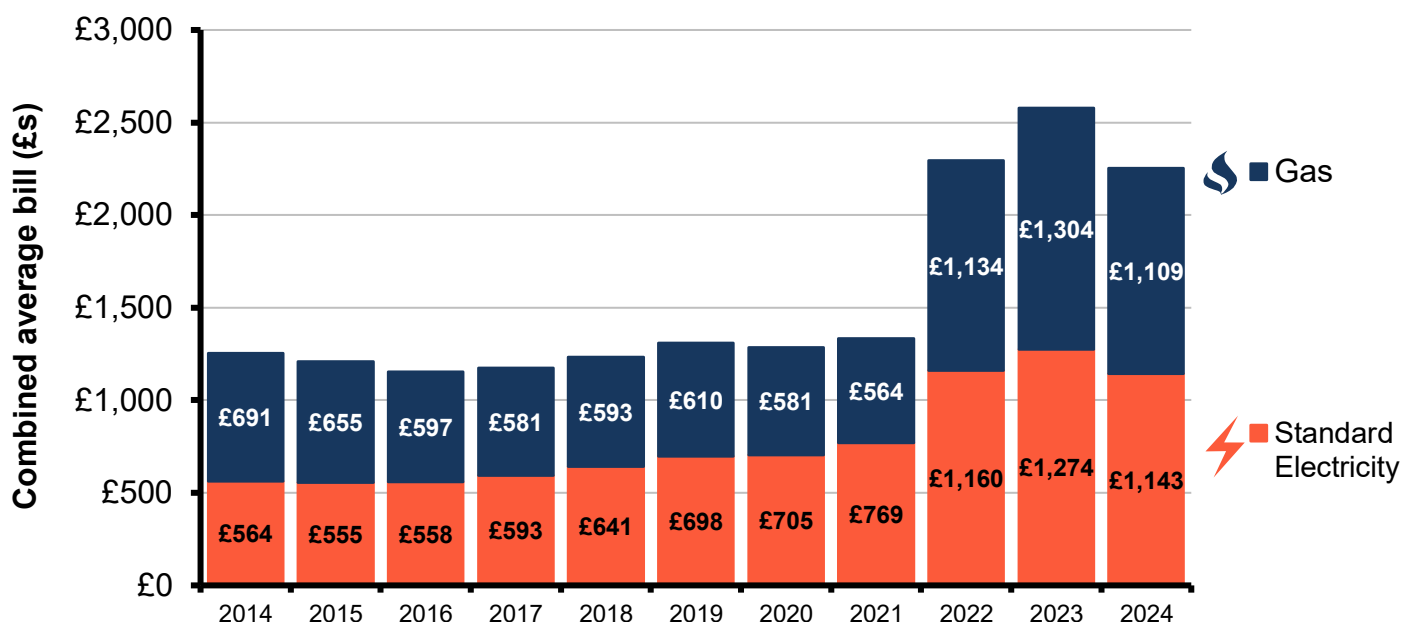
**Table 2 - Average annual bills 2024 (provisional estimates) compared to 2023**

	2023	2024 (provisional)	Change	% Change
Standard Electricity	£1,274	£1,143	−£131	−10%
Gas	£1,304	£1,109	−£195	−15%
<b>Combined</b>	<b>£2,578</b>	<b>£2,252</b>	<b>−£326</b>	<b>−13%</b>

**Average energy bills** based on our standard energy consumption in 2024 are estimated to be **£2,252<sup>3</sup>**. In current prices terms, this was a **decrease of 13% per cent** or **£326** on 2023.

The average Standard Electricity bill **decreased by 10 per cent** or **£131** to **£1,143** in 2024. The average Gas bill **decreased by 15 per cent** or **£195** to **£1,109** in 2024 (differences reported in current prices terms).

**Chart 2.2: Average Standard Electricity and Gas bills (current prices)**



Reference and link to tables:

[Table 2.2.1: Average annual domestic electricity bills, by home and non-home supplier](#)

[Table 2.3.1: Average annual domestic gas bills, by home and non-home supplier](#)

<sup>3</sup> 13,600kWh for gas and 3,600kWh for electricity. This excludes EBSS or other cost of living support payments.

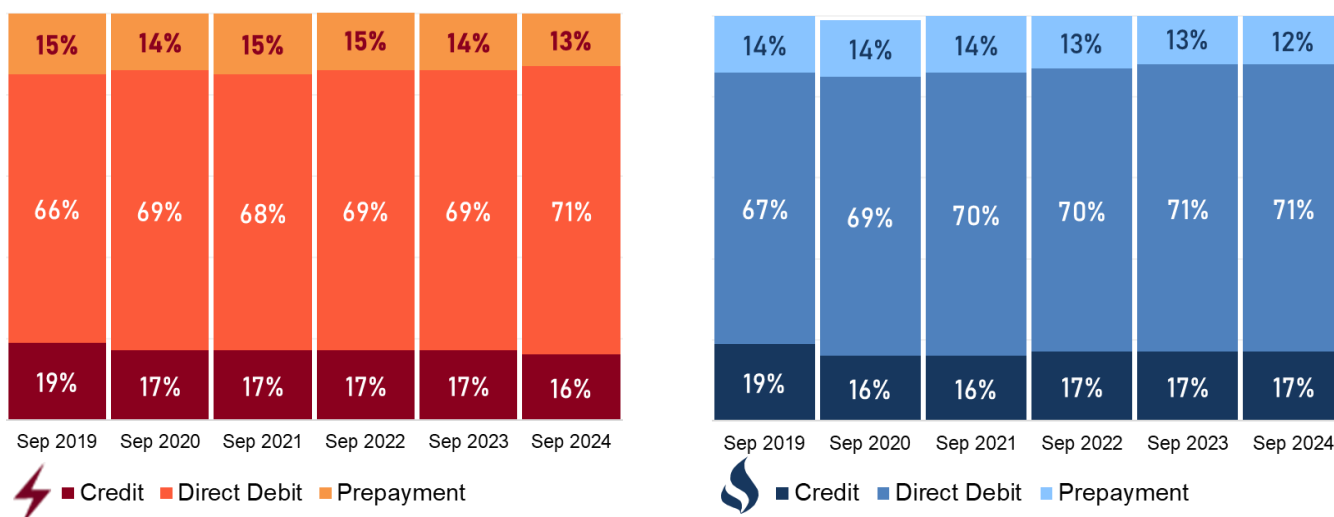


## Payment methods

The three main **payment methods** consumers use to pay for their domestic energy bills we identify are **Prepayment**, **Credit** and **Direct Debit**

**Prepayment** is essentially a 'pay as you go' method, users topping up an allowance and usage drawing on their balance. **Credit** is where households settle the bill on the electricity or gas, they used upon receipt but do not pay a recurring set payment as with **Direct Debit**.

**Chart 2.3: Proportion of households by payment type, between September 2019 and September 2024**



Reference and links to tables:

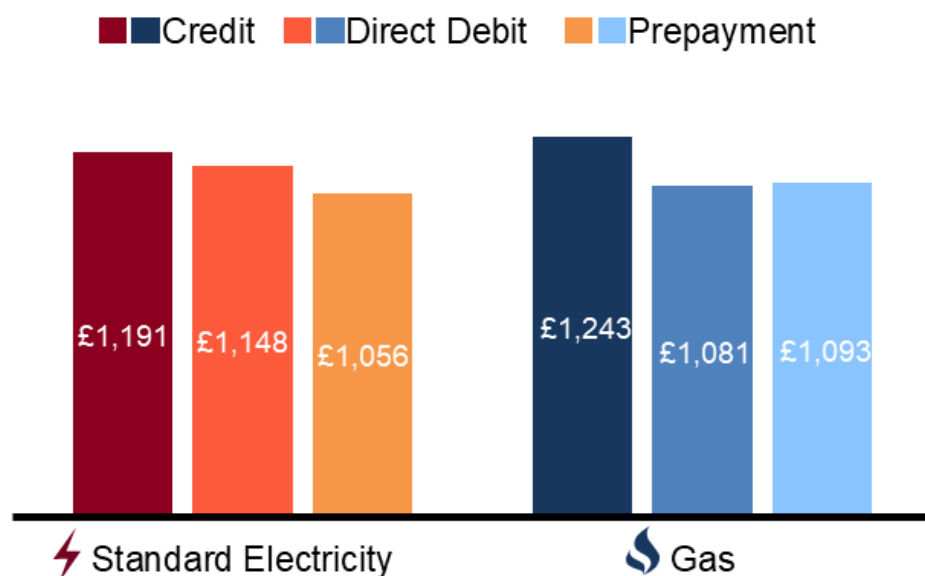
[Table 2.4.2: Regional variation of payment method for standard electricity](#)

[Table 2.5.2: Regional variation of payment method for Gas](#)

At the end of September 2024, most Standard Electricity customers in the United Kingdom (UK) and Gas customers in Great Britain (GB<sup>4</sup>) were paying their bills via **Direct Debit**. Comparing proportions over the last five years, there has been a shift by households to Direct Debit of **5 percentage points** for standard electricity and **4 percentage points** for gas.

<sup>4</sup> Gas is not as widely adopted in Northern Ireland as it is in the rest of the UK, so this collection does not include Northern Ireland gas data.

Chart 2.4: Average annual bills on each payment type, 2024



Reference and link to tables:

[Table 2.2.1: Average annual domestic electricity bills, by home and non-home supplier](#)

[Table 2.3.1: Average annual domestic Gas bills, by home and non-home supplier](#)

Table 3 - Average provisional annual bill estimates, in current prices, by payment method, 2024

	Credit	Direct Debit	Prepayment	Overall
Standard Electricity	£1,191	£1,148	£1,056	£1,143
Gas	£1,243	£1,081	£1,093	£1,109
<b>Combined</b>	<b>£2,434</b>	<b>£2,229</b>	<b>£2,149</b>	<b>£2,252</b>

For combined bills, based on our consumption levels<sup>5</sup>, Credit remained the most expensive method of payment, estimated at **£2,434** (a **decrease**, in current prices terms, of **10 per cent** or **£274** since 2023).

Prepayment was the cheapest for combined bills, estimated at **£2,149** (a **decrease** of **16 per cent** or **£423** since 2023). Average prices paid on Prepayment (assuming both fuels are paid for by this method) were **£285 cheaper** than those on Credit in 2024.

Direct Debit with an estimated combined bill of **£2,229** was more expensive than Prepayment but cheaper than Credit and **decreased by 12 per cent** or **£311** compared with 2023.

<sup>5</sup> 13,600kWh for gas and 3,600kWh for electricity.

## Economy 7 and Other Time of Use Tariffs Average Annual Bills

**Economy 7:** Electricity Tariffs which have a separate unit cost for the night and day and are designed for use with night storage heaters.

**Other Time of Use Tariffs:** Electricity Tariffs which have separate unit costs for different times of the day and night to correspond with high and low demand periods. Note that there can be multiple unit rates across the day and night.

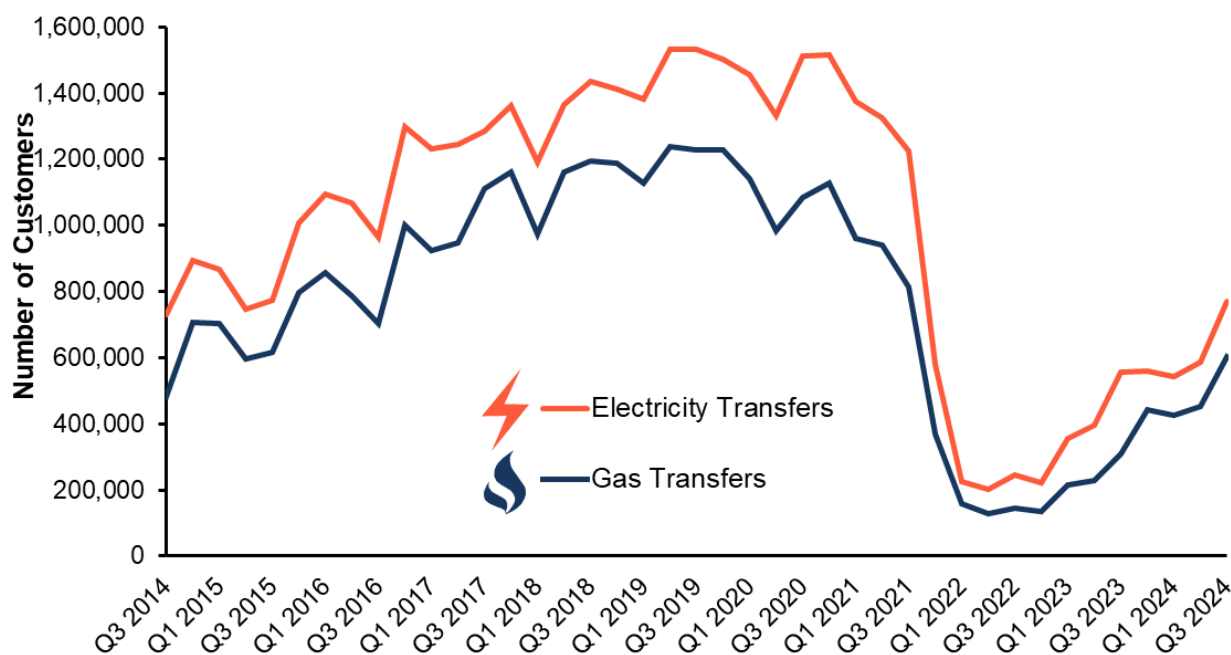
Some customers have time of use meters for electricity instead of “dual fuel” gas and electricity. Data for the proportion of customers on Economy 7 tariffs can be found in [Tables 2.4.2 - 2.4.3](#) and data on the bills the customer on time of use tariffs face can be found in [Tables 2.2.1 - 2.2.5](#).

## Transfer Statistics

The Office for Gas and Electricity Markets (Ofgem) provides the Department with the number of domestic customers in Great Britain that have switched supplier, for both electricity and gas. More information on the retail market can be found on [Ofgem's retail market data portal](#).

**Please note:** the number of customers switching supplier shown in the graph is based on the number of meter points a supplier gains from another following a customer **choice** to change their supplier. Therefore this number **does not include** either internal switches among “white labels” or brands associated with the same supplier nor customer transfers resulting from corporate changes, company mergers and “Supply of Last Resort” events.

**Chart 2.5: Domestic Gas and Electricity transfers over the past ten years<sup>6</sup>**



Source: Ofgem

Please note: For Electricity, this covers the whole domestic market. Formerly Gas switching levels only covered the main six suppliers. From January 2014 Ofgem provided switching levels for the whole market.

Reference and link to tables:

[Table 2.7.1: Transfer statistics in the domestic Gas and electricity markets](#)

There were an estimated 770,000 electricity transfers and 602,000 gas transfers in quarter 3 2024. These quarterly transfers represent around **2.6 per cent** of the market for domestic electricity customers and **2.5 per cent** of the domestic market for gas customers.

Compared with last quarter (quarter 2 2024) there has been a continued uptick in transfers; electricity transfers are up **185,000 (31.6 per cent)** and gas transfers are up by **148,000 (32.6 per cent)**. When compared with quarter 3 last year (2023) transfers have also increased - electricity transfers are **up 38.2 per cent** and gas transfers are **up 94.2 per cent** over this time period.

The large drop in transfers between quarter 4 2021 and most of 2022 followed an increase in wholesale gas prices and other market shocks which led to variable tariffs across the market being increasingly charged closer to or at the Ofgem price cap level and later the Energy Price Guarantee. This led to fewer competitive fixed tariffs offered at the time, given the uncertainty on price in the market.

<sup>6</sup> Since April 2016 data supplied has included additional filtering to remove non-domestic customers. This data is sourced from network operators and filtered by the active suppliers in the market, who to the best of Ofgem's knowledge are operating in the domestic and non-domestic segments of the energy market. For this reason, the data supplied from April 2016 onwards may be more accurate but lower than levels before this time.

# Non-Domestic Market Prices

## Electricity and gas prices for the non-domestic sector

This section presents electricity and gas prices data in the non-domestic sector, which **excludes** prices paid by households and generally **comprises** the industry sector (manufacturing, energy for example) and the commercial sector (services, retail for example).

Many businesses are on fixed price contracts which are negotiated and renewed at different points in time and therefore increases in wholesale prices and changes in the energy market will impact on non-domestic customers in different and less even or consistent ways.

Data on prices of fuels purchased by non-domestic consumers by different size bands can be found in [Tables 3.4.1 and 3.4.2](#).

The **Climate Change Levy (CCL)** is an energy tax payable on supplies of electricity, gas, liquified petroleum gas and solid fuels to businesses and public sector organisations which aims to increase energy efficiency. The levy is intended to be a price signal for businesses to improve their energy efficiency.

### Energy Bill Relief Scheme and Energy Bills Discount Scheme

The [Energy Bill Relief Scheme \(EBRS\)](#) was announced in September and was set out to provide discounts to non-domestic customers between 1 October 2022 and 31 March 2023. The impact of this is reflected in the data relating to quarter 4 2022 and quarter 1 2023 in this release and to some extent, the annual total for 2022. The scale of the discount customers receive under the scheme is dependent on their individual contracts so impacts vary customer to customer. In January 2023, the [Energy Bills Discount Scheme \(EBDS\)](#) was announced. This scheme provided support to UK non-domestic consumers for the period 1 April 2023 to 31 March 2024.

## Energy prices in the manufacturing sector

**Manufacturing** is a subset of industry that use fuels in the manufacturing process and include companies that produce by-products of the fuels.

Prices of fuels in the manufacturing sector, excluding CCL, for various size bands of consumers are presented in [Tables 3.1.1 to 3.1.4](#). The fuels used in the manufacturing sector are mainly **heavy fuel oil, gas oil, electricity and gas** though **coal** is also used.

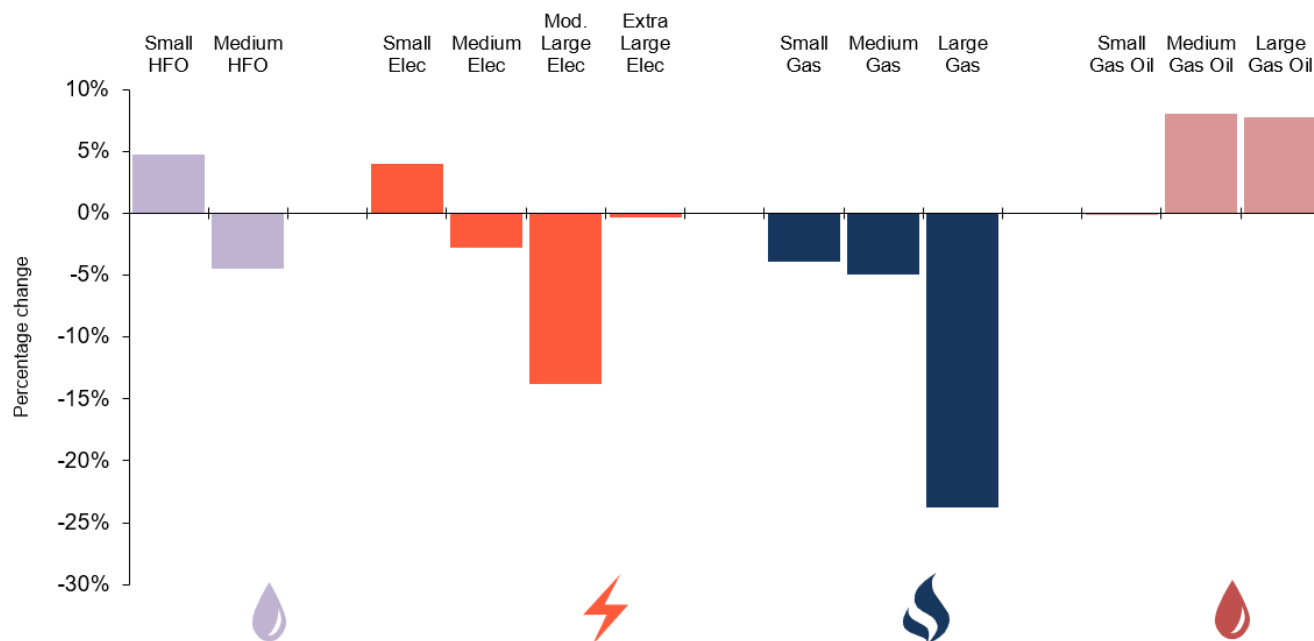
**Heavy Fuel Oil**, a derivative from the oil refining process is used for heating and to fuel furnaces and boilers in industrial plants. It is very viscous and requires to be kept at a high temperature and pre-heating before use.

**Gas Oil** (sometimes referred to as Red Diesel for agricultural uses) is a more refined product than Heavy Fuel Oil and is also used as a fuel for heating and in off-road vehicles like tractors and machinery in the construction and agricultural sectors.

For reference, the various bands of consumers for manufacturing firms classified by the amount of fuel purchased in a year are shown in the table below:

	Small	Medium	Large <sup>7</sup>	Extra Large
<b>Heavy Fuel Oil (tonnes)</b>	< 490	490 - 4,900	> 4,900	
<b>Electricity (MWh)</b>	< 880	880 - 8,800	8,800 - 150,000	>150,000
<b>Gas (MWh)</b>	< 1,500	1,500 - 8,800	> 8,800	

**Chart 3.1: Manufacturing industry fuel price change between quarter 3 2023 and quarter 3 2024 (provisional) by size of consumer**



Percentage price movement between Quarter 3 2023 and Quarter 3 2024 for heavy fuel oil (HFO), electricity, gas and gas oil in cash terms excluding Climate Change Levy (CCL)

References and link to tables:

- [Table 3.1.1: Quarterly prices of fuels purchased by manufacturing industry \(original units\)](#)
- [Table 3.1.2: Quarterly prices of fuels purchased by manufacturing industry \(p/kWh\)](#)
- [Table 3.1.3: Annual prices of fuels purchased by manufacturing industry \(original units\)](#)
- [Table 3.1.4: Annual prices of fuels purchased by manufacturing industry \(p/kWh\)](#)

Between quarter 3 2024 and the same period in 2023, the average price paid by **electricity** consumers in the manufacturing industry, in cash terms excluding CCL, **decreased by 6.5 per cent** or **1.2 pence per kWh** to an average of 17.9 pence per kWh.

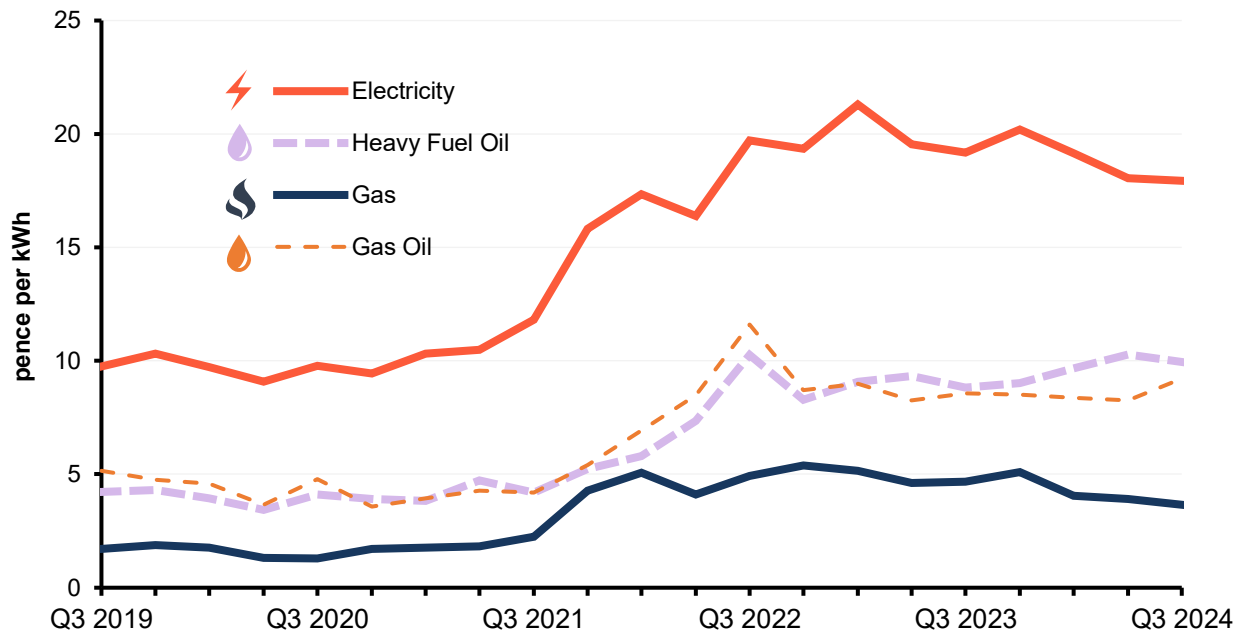
Compared to the previous year, in quarter 3 2024, the average price for **gas** consumers in the manufacturing industry, in cash terms excluding CCL, **decreased by 22 per cent** or **1 pence per kWh**. Decreasing from 4.7 pence per kWh in July to September 2023 to 3.7 pence per kWh in the same period in 2024.

Most of the variation in prices for gas for industrial use closely follows the trend in wholesale gas prices.

Also, over the same period, the average price paid for **gas oil** in the manufacturing industry, in cash terms excluding CCL, **increased by 7.6 per cent** or **0.7 pence per kWh** to an average of 9.2 pence per kWh from a value of 8.6 pence per kWh in July to September 2023.

<sup>7</sup> Large is 'Moderately Large' for electricity

Chart 3.2: Average quarterly prices of fuels purchased by the manufacturing industry since Q3 2019



References and link to tables:

[Table 3.1.2: Quarterly prices of fuels purchased by manufacturing industry \(p/kWh\)](#)

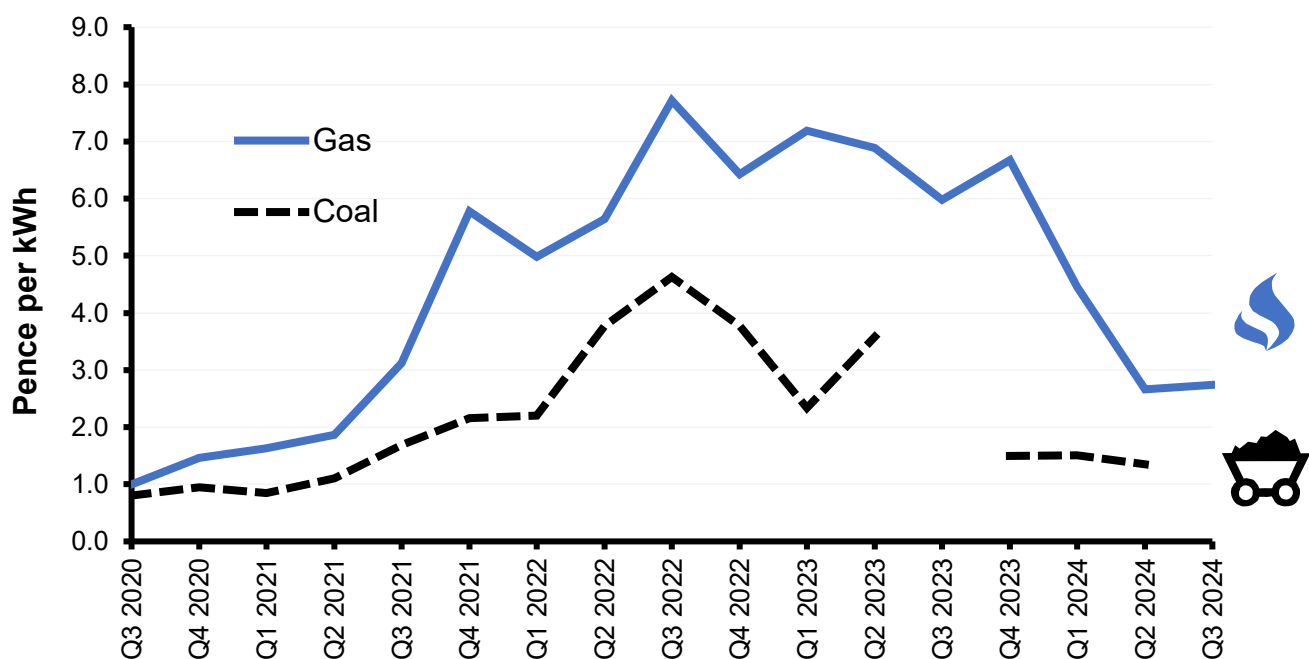
# Average prices of fuels purchased by the major UK power producers

**Major Power Producers** are companies that use fuels such as natural gas and coal to produce electricity.

Average purchase costs of fuels (presented in common units) used to generate electricity are recorded in Table 3.2.1.

**Please note:** These figures present the **fuel** input costs, however comparing the different input costs between fuels does not explain the full costs involved in generation. Total generation costs are also affected by other costs, including transportation and the efficiency with which fuels are converted into electricity in different types of power station.

**Chart 3.3: Price paid by UK power producers for coal and natural gas, quarterly**



Reference and link to tables:

[Table 3.2.1: Average price of fuels purchased by the major UK power producers](#)

For quarter 3 2024 the price of **coal** was not available as no purchases of coal were recorded in our survey. As of publication, there are no more coal fired power stations remaining in service. Ratcliffe-on-Soar, the last UK's coal power station closed in September 2024.

The price in the previous quarter where information was available (quarter 2 2024) was 1.3 pence per kWh.

As shown in Chart 3.5, the price of **natural gas** used for generation in quarter 3 2024 was 2.7 pence per kWh. This is a **54 per cent decrease** on the same quarter in the previous year.



# Oil and Petroleum Product Prices

This section presents information on oil and petroleum products prices paid in the United Kingdom. The petroleum products referred to in this section are unleaded petrol and diesel.

Diesel and unleaded petrol are referred to as **road fuels**. Together these account for the majority of fuels used in the transport sector with aviation fuel, biofuels and some gas oil making up the remainder. This section focuses on the average 'forecourt' or 'pump' prices for unleaded petrol and diesel. Other derivatives of oil products are presented as their average wholesale prices.

All underlying petroleum and oil data and other related publications can be found on GOV.UK here: [gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices](https://gov.uk/government/collections/road-fuel-and-other-petroleum-product-prices)

In addition to the summary in this publication, average road fuel prices are also published in the **Weekly Road Fuel Prices** publication and are available at: [gov.uk/government/statistical-data-sets/oil-and-petroleum-products-weekly-statistics](https://gov.uk/government/statistical-data-sets/oil-and-petroleum-products-weekly-statistics)

Also, official statistics in development on **Average Weekly Road Fuels Sales and Stock Levels at Forecourts** are available at [gov.uk/government/statistics/oil-and-oil-products-section-3-energy-trends](https://gov.uk/government/statistics/oil-and-oil-products-section-3-energy-trends)

## Crude oil prices

Movements in the price of crude oil can affect the prices of the various refined petroleum products and therefore impact on the domestic and industrial fuels.

Over the years, several factors have affected the prices of crude oil, for example: oil shortages (1973), over-supply and weak demand (1998), hurricanes (2005), the global recession (2008-9), geopolitical tensions (2008 onwards) and more recently the Coronavirus pandemic and the recovery from it (2020 onwards), and the Russia-Ukraine conflict (2022 onwards).

**Crude oil** is the raw material processed at refineries to produce various petroleum products. They vary in colour, composition and consistency. The economic value of crude oil increases as its API gravity (a measure of its density) increases and its sulphur content decreases.

**Chart 4.1: Monthly index of crude oil prices acquired at refineries**



The index represents the monthly average price paid by refineries, calculated in pound Sterling on a cost, insurance, freight (CIF) basis. Reference and link to tables:

[Table 4.1.1: Typical monthly retail prices of petroleum products and a crude oil index](#)

Chart 4.1 shows the price indices of crude oil acquired by UK refineries over the past five years.

Since March 2020, demand has been affected by the Coronavirus pandemic which initially drove prices down, reaching a low in April 2020 before steadily rising throughout 2021 with a sharp uptick in early 2022 as volatility reflecting geopolitical events and the Russia-Ukraine conflict impacted global markets.

The role of Russian oil within the oil markets was highlighted in 2022, crude oil prices rose rapidly, increasing **45 per cent** between January and March 2022, with the highest monthly average in June 2022.

The latest available crude oil price index is for **November 2024**. Crude oil prices have decreased compared to three months ago by **7.4 per cent**, and November's price was **down 41 per cent** from the recent peak in June 2022. Over the course of 2024, prices have decreased from January to November by **5 per cent**, however, prices remain above pre-pandemic levels. Crude oil prices are **30 per cent** higher than February 2020.

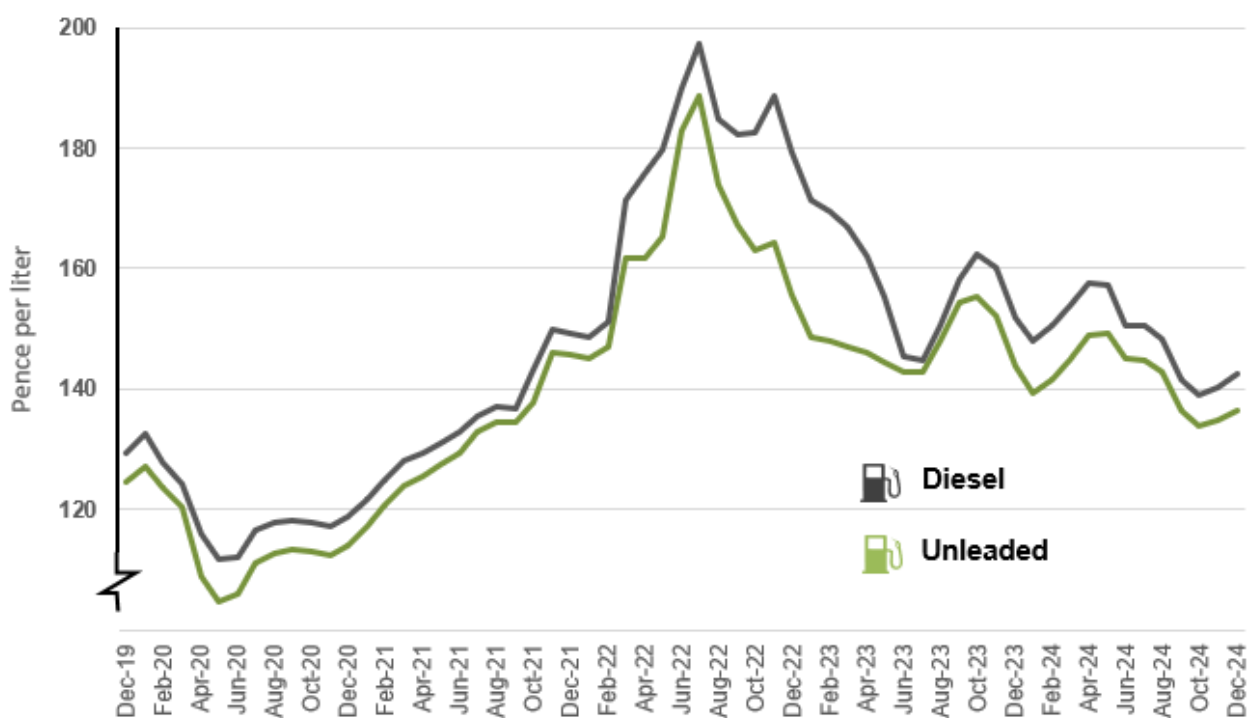
## Retail prices of petroleum products

Pump prices reflect a range of factors including the wholesale price of crude oil, delivery and distribution costs, duty, VAT, environmental levies and retail margins.

**ULSP** Ultra-Low-Sulphur Petrol. This is the specific grade of petrol that is commonly used on forecourts across the UK. It is the standard for petrol used when referring to 'unleaded petrol' in this release.

**ULSD** Ultra-Low-Sulphur Diesel. This is the grade of diesel product used on forecourts in the UK. Wherever **DERV** or **Diesel-Engine Road Vehicles** is used in this release, it is referred to this standard for diesel.

**Chart 4.2: Average retail prices of road fuels, monthly**



Reference and link to tables:

[Table 4.1.1: Typical monthly retail prices of petroleum products and a crude oil index](#)

Chart 4.2 shows that, in mid-December 2024, a litre of **petrol (ULSP)** was on average **136.3 pence per litre**. This was **5.1 per cent lower** than the same period in 2023. Petrol prices reached a peak in mid-July 2022 of **188.8 pence per litre**, most recent prices are **28 per cent lower** than the peak.

The **diesel (ULSD)** price was **142.6 pence per litre** in mid-December 2024. This was a **6 per cent decrease** from the same period in 2023. Additionally, this is a **28 per cent decrease** from the peak of **197.4 pence per litre** in mid-July 2022.

The gap between petrol and diesel price, was the widest in November 2022, diesel was **24.45 pence per litre more expensive than unleaded** then. The price gap shrunk to a minimum by July 2023, where the

**differential was just 1.8 pence per litre.** At mid-December 2024 the price difference between petrol and diesel is at **6.3 pence per litre**, with an annual average price difference of **6.9 pence per litre**.

Both diesel and petrol reached 2024 lowest prices in October with **138.9 and 133.9 pence per litre** respectively. Since then, the prices have increased by **2.6 and 1.8 per cent** retrospectively.

Over the last five years, market events, including but not limited to the disruption to Red Sea shipping and changes in crude oil prices have had an impact on the prices. Alongside the macroeconomic influences above, fuel prices are affected by microeconomic factors including changes to duty rates, and less commonly VAT rate changes.

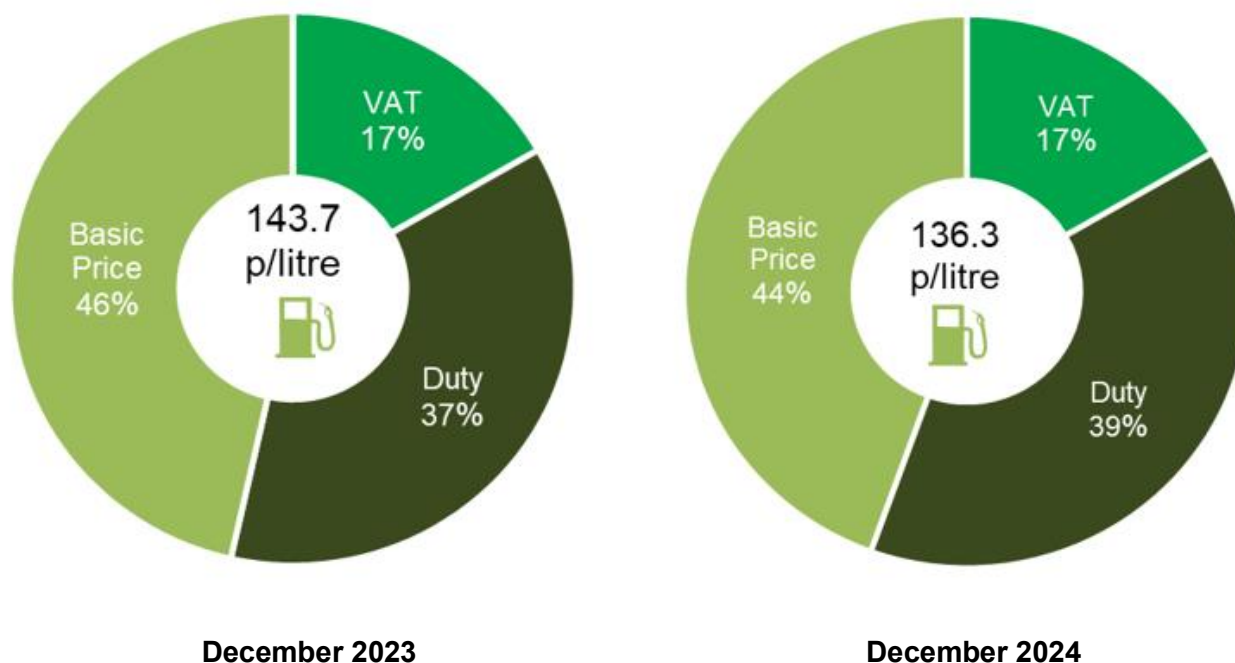
Duty for road fuels from 23 March 2011 to 22 March 2022 were set at 57.95 pence per litre. From 23 March 2022 duty was reduced to 52.95 pence per litre, initially as a one-year temporary measure but since been extended<sup>8</sup> by the government.

**Fuel Duty:** Fuel duty is a duty payable on petrol, diesel and other fuels used in vehicles, for heating and other uses, such as non-road mobile machinery (this excludes gas, electricity, and solid fuels such as coal which are subject to climate change levy instead).

**Basic Price:** “Basic Price” includes wholesale fuel price, delivery & distribution costs and retail margin but excludes tax and duty.

**VAT (Value Added Tax):** VAT is a tax added to most products and services sold by VAT-registered businesses. For retail fuel, it is charged at 20 per cent of the basic price plus the duty rate.

**Chart 4.3: Component price of unleaded petrol, December 2023 and December 2024**



Basic price is the price excluding VAT and duty  
Reference and link to tables:

[Table 4.1.1: Typical monthly retail prices of petroleum products and a crude oil index](#)

In December 2024 duty made up **39 per cent** of the total price, this is up from **37 per cent** in December 2023. Chart 4.3 shows the components of the retail price of petrol in December 2023 and 2024. In December 2024,

<sup>8</sup> Details of March 2022 duty changes can be found at <https://www.gov.uk/government/publications/changes-to-fuel-duty-rates>

the “**basic price**” (includes wholesale fuel price, delivery & distribution costs and retail margin but excludes tax and duty) of petrol was **60.6 pence per litre**, duty was at **52.95 pence per litre**, and VAT at 20 per cent of basic price plus duty was **22.7 pence per litre**.

The basic price made up **44 per cent** of the total price in December 2024, this is down from **46 per cent** in the previous year.

Comparisons of the UK petrol and diesel prices with other countries, including the relative proportions of taxes and levies to basic price, can be found in the International Price Comparisons section below.

# International Price Comparisons

This section compares prices data for the United Kingdom with the European Union (and the International Energy Agency (IEA) in the September issue). This issue includes both **road fuel price comparisons** with prices paid in the European Union as well as comparisons for **domestic and non-domestic electricity and gas**.

International Data all the underlying international comparisons data and related publications can be found on GOV.UK here: [www.gov.uk/government/collections/international-energy-price-comparisons](http://www.gov.uk/government/collections/international-energy-price-comparisons)

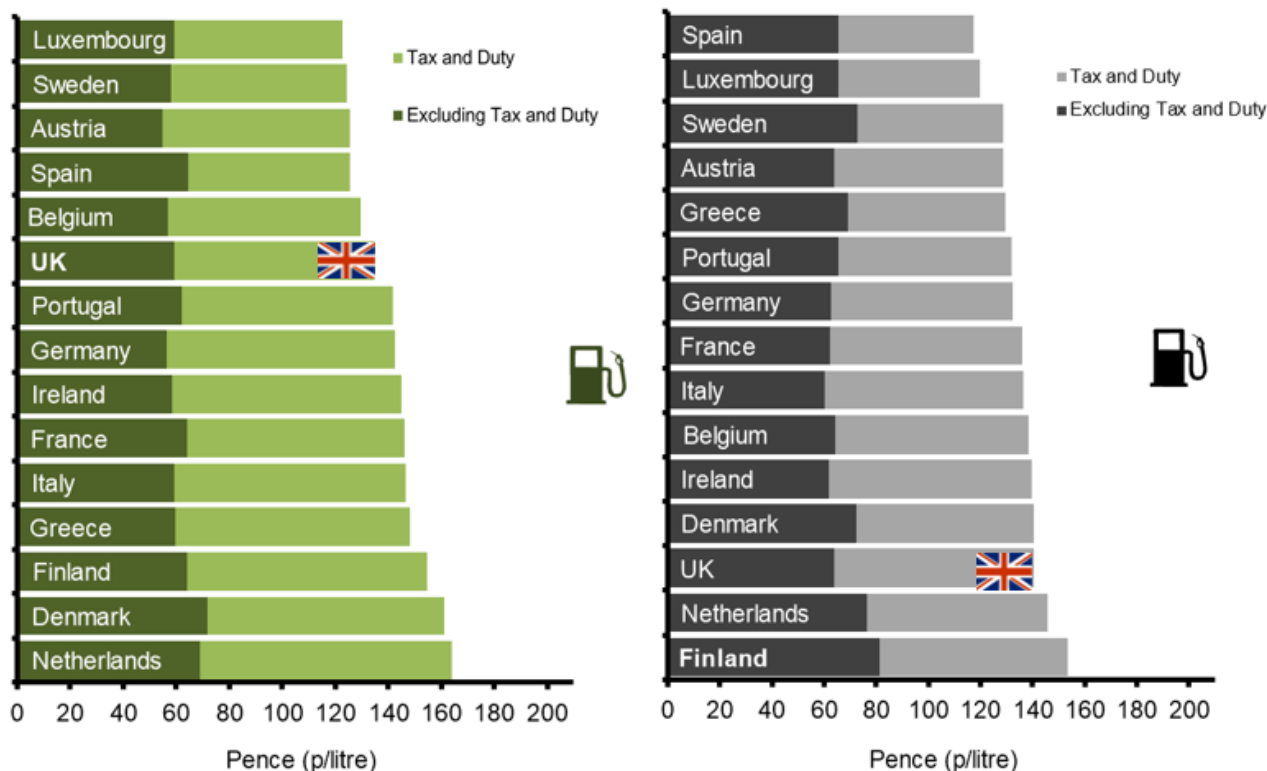
Data from other countries are used in this report to make consistent comparisons to highlight relative competitiveness. International prices vary due to many reasons including differences in indigenous resources and market structures, global issues, varying exchange rates and inflation rates.

## Unleaded petrol and diesel prices

In **November 2024** the **average UK unleaded petrol price**, including tax and duty, was the **sixth cheapest** in the EU14 plus UK group at **134.7 pence per litre**. When presented in a common currency basis, the lowest price for unleaded across the EU14+UK was in Luxembourg at **122.8 pence per litre** while the highest price was in The Netherlands at **164.1 pence per litre**.

In **November 2024** the **average UK diesel price**, including tax and duty, was the **third most expensive** in the EU14 plus UK group at **140.4 pence per litre**. The lowest price for diesel across the EU14+UK was in Spain at **117.6 pence per litre** while the highest was in Finland at **153.6 pence per litre**.

**Charts 5.1 & 5.2: Premium unleaded petrol prices and diesel prices, November 2024**



Source: European Commission Oil Bulletin

Reference and link to tables:

[Table 5.1.1 and 5.2.1: Premium unleaded petrol prices in the EU](#)

# International electricity and gas prices

Prices for electricity and gas in this section and the related tables vary depending on the period covered (Eurostat provides data based on a 6-monthly and annual basis) and by consumption band and overall average.

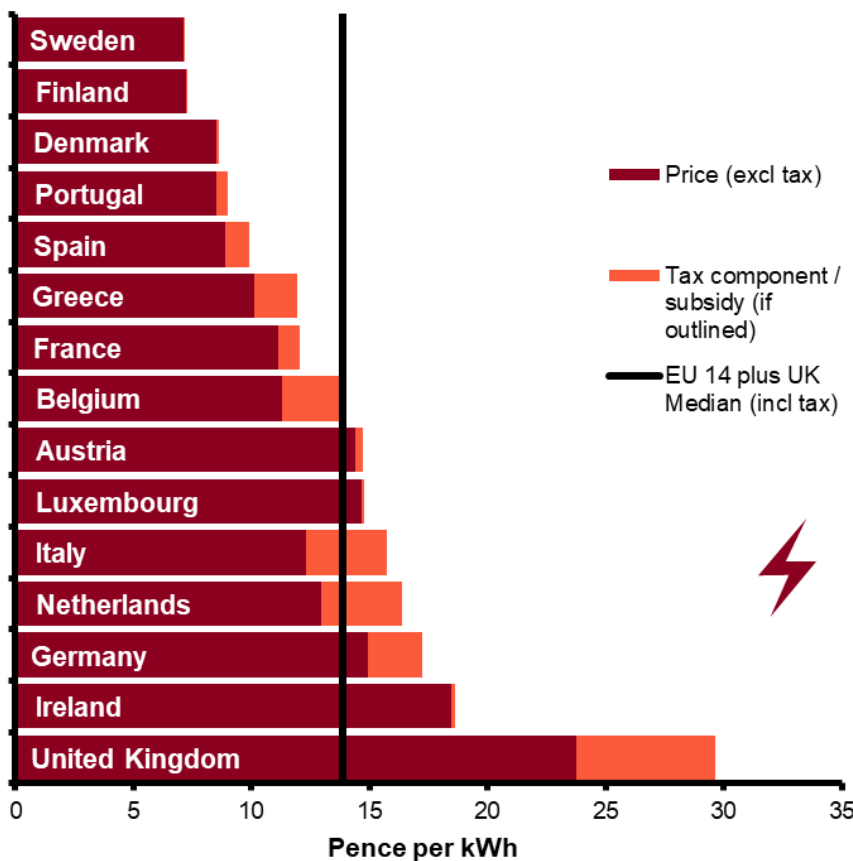
**Eurostat** tables have more timely data on 6-monthly ('semester') basis and reflect changes on a shorter timescale. This data can be found on the Eurostat website, published under the Energy section of the [Eurostat's Energy & Environment theme within the Europa database](#). The annual **International Energy Agency (IEA)** tables allow comparisons on a broader level including with non-EU countries.

The data in this release always refers to a 'Medium' consumer (see the Annex for definitions) of each fuel type. Rankings will differ between the IEA and Eurostat tables as the charts only include actual data available at the time of publication. A line on the charts is included to represent the median price **including** taxes and levies.

## Industrial electricity price comparisons with EU Countries

Compared with the EU14, average industrial electricity prices (including taxes and levies) in the first six months of 2024 were highest in the **UK at 29.63 pence per kWh**, despite falling by 4% since last semester. Prices amongst the EU14 have fallen by between 1% and 32%, apart from Sweden where prices increased by 6%, however still remained the lowest industrial electricity prices.

**Chart 5.3 Industrial electricity prices in the EU and UK, January - June 2024**



Source: Eurostat and DESNZ

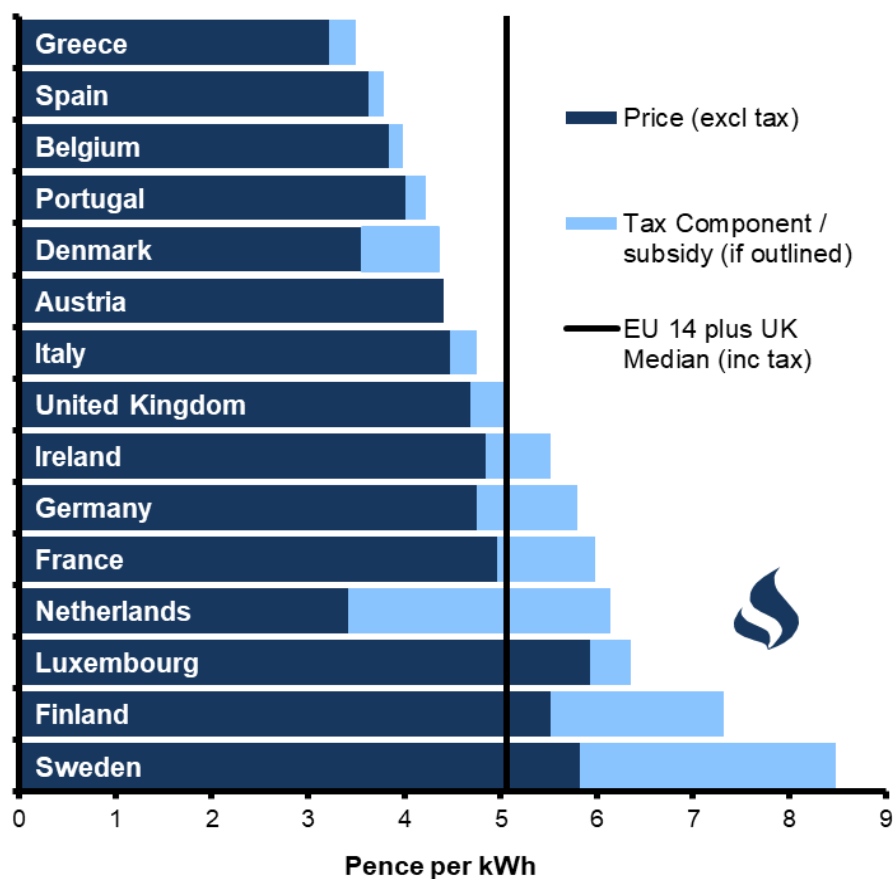
Reference and link to table:

[Table 5.4.1: Industrial electricity prices in the EU and UK including and excluding taxes](#)

## Industrial gas price comparisons with EU Countries

Comparing UK and EU14 industrial gas prices in the first six months of 2024 the average industrial gas price has fallen since the last semester, except for Netherlands where the price increased by 11 per cent. Greece having the lowest average price including taxes and levies at 3.50 pence per kWh and Sweden having the highest at 8.48 pence per kWh. The **UK price has fallen by 5% to 5.06 pence per kWh**, becoming the eighth cheapest in EU14 + UK.

Chart 5.4 Industrial gas prices in the EU and UK, January - June 2024



Source: Eurostat and DESNZ

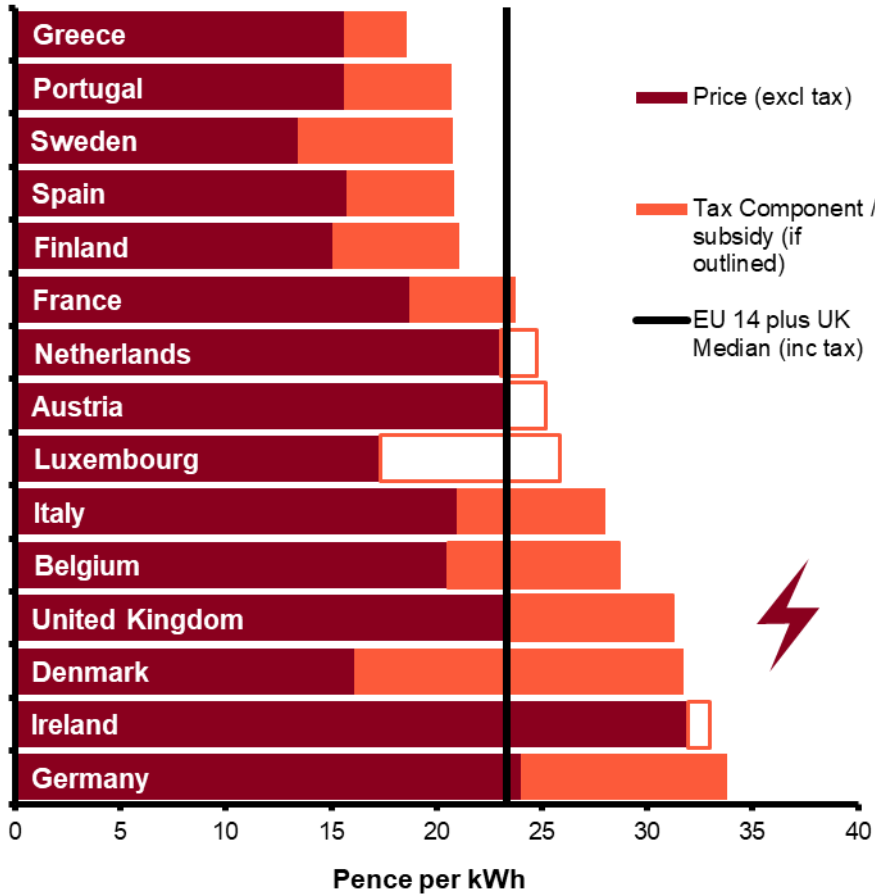
Reference and link to table:

[Table 5.8.1: Industrial gas prices in the EU and UK including and excluding taxes](#)

## Domestic electricity price comparisons with EU Countries

Comparing the EU14 and UK, average domestic electricity prices in the first six months of 2024 were fourth highest (including taxes & levies and accounting for subsidies) in the **UK at 31.3 pence per kWh**. Greece had the lowest domestic electricity price at 18.6 pence per kWh, and Germany had the highest price at 33.8 pence per kWh.

Chart 5.5 Domestic electricity prices in the EU and UK, January - June 2024



Source: Eurostat and DESNZ

Note: Netherlands, Ireland, Austria and Luxembourg have including taxes less than excluding due to subsidies.

Reference and link to table:

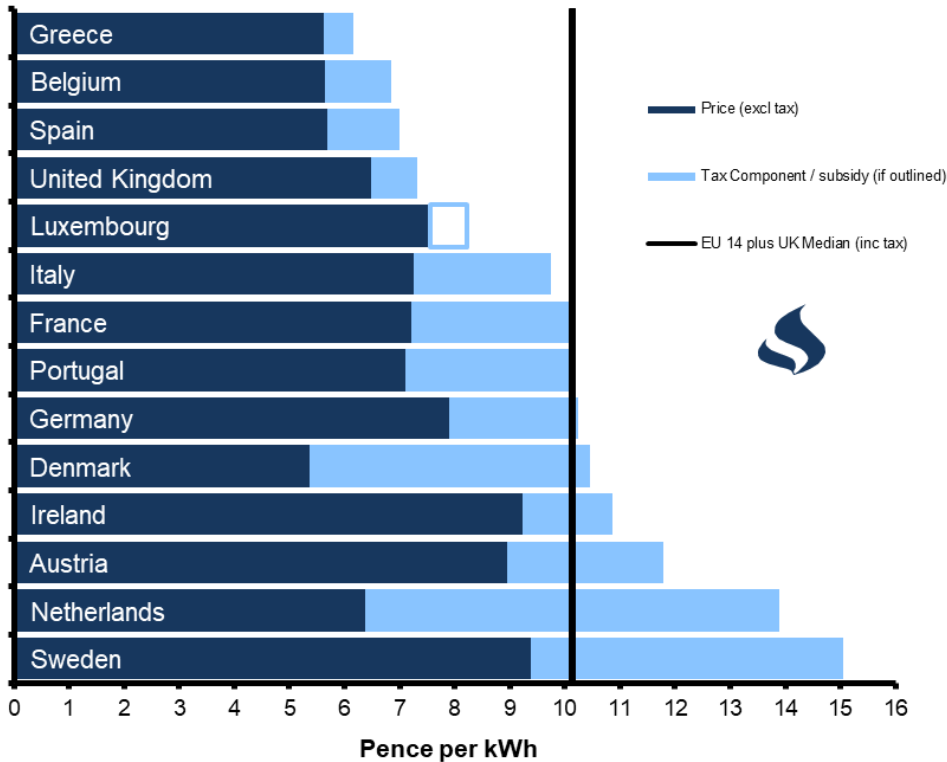
[Table 5.6.1: Domestic electricity prices in the EU and UK including and excluding taxes.](#)



## Domestic gas price comparisons with EU Countries

Comparing average domestic gas prices in the first 6 months of 2024 across the EU14 and UK, the UK had the fourth lowest (when including taxes and levies) price at **7.32 pence per kWh, with a 5% decrease from last semester**. Greece had the lowest price overall at 6.17 pence per kWh, and Sweden had the highest price at 15.04 pence per kWh.

Charts 5.6 Domestic gas prices in the EU and UK, January - June 2024



Source: Eurostat and DESNZ

Note: Luxembourg has including taxes less than excluding due to subsidies. Norway did not report data for this category.

Reference and link to table:

[Table 5.10.1: Domestic gas prices in the EU and UK including and excluding taxes](#)

## Price comparisons with IEA Countries

The most recent comparisons with IEA countries are detailed in the September 2024 QEP publication found at <https://www.gov.uk/government/statistics/quarterly-energy-prices-september-2024>

Links to the relevant EU comparison tables can be found here:

[Industrial electricity prices in the IEA \(QEP 5.3.1\)](#)

[Industrial gas prices in the IEA \(QEP 5.7.1\)](#)

[Domestic electricity prices in the IEA \(QEP 5.5.1\)](#)

[Domestic gas prices in the IEA \(QEP 5.9.1\)](#)

# Timetable and data tables

## Update Timetable

Below are the update timetables for the four key areas covered in the Quarterly Energy Prices release. These underlying tables are published at various times of the year and sometimes outside of a quarterly Accredited Official Statistics publication (which are published March, June, September and December each year).

## Domestic Tables

Tables for the [Domestic energy prices](#) area:

Topic	Area	Freq.	No.	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Domestic Energy Prices	Domestic energy price indices	Monthly	2.1.1	Consumer prices index (quarterly data)													
		Monthly	2.1.2	Consumer prices index (monthly data)													
		Monthly	2.1.3	Consumer prices index (annual data and fuels)													
	Domestic Energy Bills Electricity	Annual	2.2.1	Average annual domestic electricity bills by payment type			R				FY						
		Annual	2.2.2	Average annual domestic electricity bills for UK countries			R				FY						
		Annual	2.2.3	Average annual domestic electricity bills and average unit costs, by UK region			R				FY						
		Annual	2.2.4	Average variable unit costs and fixed costs for electricity, by UK region			R				FY						
		Annual	2.2.5	Average annual domestic electricity bills by various consumption levels								R					
	Domestic Energy Bills Gas	Annual	2.3.1	Average annual domestic gas bills by payment type			R				FY						
		Annual	2.3.2	Average annual domestic gas bills for GB countries			R				FY						
		Annual	2.3.3	Average annual domestic gas bills and average unit costs, by GB region			R				FY						
		Annual	2.3.4	Average variable unit costs and fixed costs for gas, by GB region			R				FY						
		Annual	2.3.5	Average annual domestic gas bills by various consumption levels								R					
	Customer numbers Electricity	Quarterly	2.4.2	Regional variation of payment method for standard electricity													
		Quarterly	2.4.3	Regional variation of payment method for time-of-use electricity													
	Customer numbers Gas	Quarterly	2.5.2	Regional variation of payment method for gas													
	Household Data	Annual	2.6.1	Total household expenditure on energy (from ONS Consumer Trends data)													
		Annual	2.6.2	Average weekly expenditure on fuel per consuming household (from ONS household survey data)													
Switch	Quarterly	2.7.1	Domestic energy switching statistics														

## Industrial Tables

Tables for the [Industrial energy prices](#) area:

Topic	Area	Freq.	No.	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Industrial Energy Prices	Manufacturing industry	Quarterly	3.1.1	Prices of fuels purchased by manufacturing industry in Great Britain (original units)													
		Quarterly	3.1.2	Prices of fuels purchased by manufacturing industry in Great Britain (p/kWh)													
		Annual	3.1.3	Annual Prices of fuels purchased by manufacturing industry in Great Britain (original units)						R							
		Annual	3.1.4	Annual Prices of fuels purchased by manufacturing industry in Great Britain (p/kWh)						R							
	Power Producers	Quarterly	3.2.1	Average prices of fuels purchased by the major UK power producers													
	Industrial energy price indices	Quarterly	3.3.1	Fuel price indices for the industrial sector in current terms excluding the Climate Change Levy													
		Quarterly	3.3.2	Fuel price indices for the industrial sector in current terms including the Climate Change Levy													
	Industrial Energy Bills	Quarterly	3.4.1	Prices of fuels purchased by non-domestic consumers in the UK excl. the Climate Change Levy													
		Quarterly	3.4.2	Prices of fuels purchased by non-domestic consumers in the UK incl. the Climate Change Levy													

## Fuel Tables

Tables for the [Road fuel prices](#) area:

Topic	Area	Freq.	No.	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Fuel Prices	Road Fuels and Petroleum Products	Monthly	4.1.1	Typical retail prices of petroleum products and a crude oil price index													
		Annual	4.1.2	Average annual retail prices of petroleum products and a crude oil price index													
		Annual	4.1.3	January prices of road fuels and petroleum products													

## International Tables

Tables for the [International energy price comparisons](#) area:

Topic	Area	Freq.	No.	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
International Prices	ULSP EU	Monthly	5.1.1	International road fuel prices Premium unleaded petrol prices in the EU													
	ULSD EU	Monthly	5.2.1	International road fuel prices Diesel prices in the EU													
	Ind. IEA Elec	Annual	5.3.1	Industrial electricity prices in the IEA													
	Industrial Prices EU Electricity	Biannual	5.4.1	Industrial electricity prices in the EU for small consumers (both excluding and including tax)													
		Biannual	5.4.2	Industrial electricity prices in the EU for medium consumers (both excluding and including tax)													
		Biannual	5.4.3	Industrial electricity prices in the EU for large consumers (both excluding and including tax)													
		Biannual	5.4.4	Industrial electricity prices in the EU for extra-large consumers (both excluding and including tax)													
	Dom. IEA Elec	Annual	5.5.1	Domestic electricity prices in the IEA													
	Domestic Prices EU Electricity	Biannual	5.6.1	Domestic electricity prices in the EU for small consumers (both excluding and including tax)													
		Biannual	5.6.2	Domestic electricity prices in the EU for medium consumers (both excluding and including tax)													
		Biannual	5.6.3	Domestic electricity prices in the EU for large consumers (both excluding and including tax)													
	Ind. IEA Gas	Annual	5.7.1	Industrial gas prices in the IEA													
	Industrial Prices EU Gas	Biannual	5.8.1	Industrial gas prices in the EU for small consumers (both excluding and including tax)													
		Biannual	5.8.2	Industrial gas prices in the EU for medium consumers (both excluding and including tax)													
		Biannual	5.8.3	Industrial gas prices in the EU for large consumers (both excluding and including tax)													
	Dom IEA Gas	Annual	5.9.1	Domestic gas prices in the IEA													
Domestic Prices EU Gas	Biannual	5.10.1	Domestic gas prices in the EU for small consumers (both excluding and including tax)														
	Biannual	5.10.2	Domestic gas prices in the EU for medium consumers (both excluding and including tax)														
	Biannual	5.10.3	Domestic gas prices in the EU for large consumers (both excluding and including tax)														

### Key:

The colours on the timetable indicate the frequency and status of the data series:

	<b>Annual</b>
	<b>Biannual</b>
	<b>Quarterly</b>
	<b>Monthly</b>
R	<b>Scheduled Revision</b>
FY	<b>Financial Year Data</b>

# Technical information

Information in this publication is sourced from various surveys of the energy industry conducted by the Energy Prices team in the Department for Energy Security and Net Zero.

- The **domestic** bills information is collected as part of the Domestic Fuels Inquiry which surveys key energy suppliers to provide a representative sample of the market.
- **Non-domestic** data are sourced from the Quarterly Fuels Inquiry return, run by ONS on behalf of the Department and several other surveys run by the Energy Prices team including the Price Transparency survey, collections related to the Producer Price Index deliverable to ONS and the Generator's Query collection.
- International comparisons data are sourced from the International Energy Association and European Union and include UK data collected by the Energy Prices team using the same definitions and standards through the Price Transparency survey.
- Fuel prices are sourced from data from weekly and monthly surveys of petrol prices collected by the Energy Price team.
- Data across all subject areas are also sourced from and corroborated with data from Ofgem, the ONS and other Department for Energy Security and Net Zero surveys.

Data presented in the tables are in cash terms unless noted otherwise. Real terms data are those from which the effects of inflation, as measured by the Gross Domestic Product (GDP) market prices deflator, have been removed. The [GDP deflator](#) provides an index of inflation for the whole economy and is applicable to domestic and industrial prices.

Further information on the data sources, processing methods, uses of and quality assurance of the data can be found in the associated Methodology documents:

[Domestic energy prices: data sources and methodology](#)

[Industrial price statistics: data sources and methodologies](#)

[International comparisons: data sources and methodologies](#)

[Road fuel price statistics: data sources and methodologies](#)

From March 2020, bills data have been presented with fixed annual consumption levels of 13,600 kWh for gas and 3,600 kWh for standard electricity (5,100 kWh for Economy 7 electricity) to allow comparisons over time of **actual price** changes, keeping change in consumption constant.

These consumption levels were calculated using the [same methodology](#) as previously used in 2014. This takes weather adjusted consumption data for the United Kingdom from the [Digest of UK Energy Statistics \(DUKES\)](#) and calculates an average from this using customer numbers from the [Energy Consumption in the UK \(ECUK\)](#) publication.

In this addition of Quarterly Energy Prices, a proposal for new consumption levels has been made. Please see page 5 of this document for details.

## Revisions policy

The Department's [statistical revisions policy](#) sets out the revisions policy for these statistics, which has been developed in accordance with the UK Statistics Authority [Code of Practice for Statistics](#).

# Related publications

## Energy Trends

Energy Trends contains quarterly data on production and consumption of overall energy and of the individual fuels in the United Kingdom. Also includes data on foreign trade in fuels.

[www.gov.uk/government/collections/energy-trends](http://www.gov.uk/government/collections/energy-trends)

## Digest of UK Energy Statistics (DUKES)

Also available from The Stationery Office and can be ordered through Government Bookshops. DUKES contains annual data on production and consumption of overall energy and of the individual fuels in the United Kingdom. Also includes a commentary covering all the major aspects of energy and gives a comprehensive picture of energy production and use over the last five years with key series taken back to 1970.

[www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes](http://www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes)

## UK Energy in Brief

An annual publication summarising the latest statistics on energy production, consumption and prices in the United Kingdom. The figures are taken from the 'Digest of UK Energy Statistics'. Available at: [www.gov.uk/government/collections/uk-energy-in-brief](http://www.gov.uk/government/collections/uk-energy-in-brief)

## Fuel Poverty Statistics

An annual publication outlining the number of households living in fuel poverty in England, with additional analysis of the composition of the fuel poor group and future projections of the number of households in fuel poverty. Available at:

[www.gov.uk/government/collections/fuel-poverty-statistics](http://www.gov.uk/government/collections/fuel-poverty-statistics)

## Sub-National Energy Consumption Statistics

Sub-National data are produced by the Department to emphasise the importance of local and regional decision making for energy policy in delivering several national energy policy objectives. Data is available here:

<https://www.gov.uk/government/collections/total-final-energy-consumption-at-sub-national-level>

## National Energy Efficiency Data-framework (NEED)

The Department has constructed a National Energy Efficiency Data-framework (NEED) to enable detailed statistical analysis of energy efficiency. The data framework matches the gas and electricity consumption data collected for sub-national energy consumption statistics and records of energy efficiency measures in the Home Energy Efficiency Database (HEED) run by the Energy Saving Trust (EST), as well as typographic data about dwellings and households.

[www.gov.uk/government/collections/national-energy-efficiency-data-need-framework](http://www.gov.uk/government/collections/national-energy-efficiency-data-need-framework)

## Household Energy Efficiency

The Department publishes a range of information relating to the Energy Company Obligation (ECO) and Green Deal (GD). The headline release presents monthly updates of ECO measures and quarterly updates of in-depth ECO statistics, carbon savings and the Green Deal schemes. The detailed report presents annual updates on in-depth Green Deal statistics and insulation levels. Data is available at:

[www.gov.uk/government/collections/household-energy-efficiency-national-statistics](http://www.gov.uk/government/collections/household-energy-efficiency-national-statistics)

## UK Greenhouse Gas Emissions Statistics

Emissions data are produced by the Department to show progress against the UK's goals, both international and domestic, for reducing greenhouse gas emissions.

[www.gov.uk/government/collections/uk-greenhouse-gas-emissions-statistics](http://www.gov.uk/government/collections/uk-greenhouse-gas-emissions-statistics)

## **UK Energy and CO2 emissions projections**

The Updated Energy Projections (UEP) are published annually by the Department. They provide updated projections and analysis of energy use and carbon dioxide emissions in the UK. The UEP exercise incorporates all firm environmental policy measures and is based on updated assumptions consistent with the most recent UK Budget announcements. The latest report is available at: [www.gov.uk/government/collections/energy-and-emissions-projections](http://www.gov.uk/government/collections/energy-and-emissions-projections)

## **Policy publications**

The policies that the Department works on and the associated documentation can be found on the GOV.UK site [here](#).

The energy statistics section is here:

[www.gov.uk/government/organisations/department-for-energy-security-and-net-zero/about/statistics](http://www.gov.uk/government/organisations/department-for-energy-security-and-net-zero/about/statistics)

## **The Energy White Paper**

On 14 December 2020, the Energy White Paper was published, setting out how the UK will clean up its energy system and reach net zero emissions by 2050. This is available at:

<https://www.gov.uk/government/publications/energy-white-paper-powering-our-net-zero-future>

# Further information

## Uses of these statistics

The data associated with this release is used in internal analysis to help form policy decisions and is also used by industry and the academic community to monitor trends in the prices market.

The department has an obligation to provide processed data to the [International Energy Agency \(IEA\)](#). The data within and associated with this publication are also used to answer Parliamentary questions and Freedom of Information requests.

## User engagement

Users are encouraged to provide comments and feedback on how these statistics are used and how well they meet their needs. Comments on any issues relating to this statistical release are welcomed, please direct any suggestions about changes to the content or scope of this publication to the [energyprices.stats@energysecurity.gov.uk](mailto:energyprices.stats@energysecurity.gov.uk) mailbox.

The statement on [statistical public engagement and data standards](#) sets out the Department's commitments on public engagement and data standards as outlined by the [Code of Practice for Statistics](#).

## Accredited Official Statistics designation

Accredited Official Statistics (previously National Statistics) status means that our statistics meet the highest standards of trustworthiness, quality and public value, and it is our responsibility to maintain compliance with these standards.

Information in this release undergoes the level of quality checks expected of an [Accredited Official Statistics](#) release. The full detail of the measures we take are outlined in the associated [methodology documents](#).

The continued designation of these statistics as Accredited Official Statistics was confirmed in September 2018 following a [compliance check](#) by the Office for Statistics Regulation. The statistics last underwent a [full assessment](#) against the [Code of Practice for Statistics](#) in June 2014.

## Pre-release access to statistics

Some ministers and officials receive access to some key figures within these statistics up to 24 hours before release.

Details of the arrangements for doing this and a list of the ministers and officials that receive pre-release access to these statistics can be found in the [Department for Energy Security and Net Zero statement of compliance](#) with the Pre-Release Access to Official Statistics Order 2008.

# Contact

Quarterly Energy Prices is prepared by the Energy Prices analysis team in the Department for Energy Security and Net Zero

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More information on the Department's energy publications are available on the GOV.UK page here: [www.gov.uk/government/organisations/department-for-energy-security-and-net-zero/about/statistics](http://www.gov.uk/government/organisations/department-for-energy-security-and-net-zero/about/statistics)





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This publication is available from: <https://www.gov.uk/government/collections/quarterly-energy-prices>

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