

Statistical bulletin

Low Carbon and Renewable Energy Economy Survey indirect estimates, UK: 2015 to 2024

Indirect and total estimates of turnover and employment in the low carbon and renewable energy economy. These are official statistics in development.

Contact:
Environmental Surveys team
environment.accounts@ons.gov.
uk

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Next release:
To be announced

Notice

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Statistics and analysis relating to 2023 indirect estimates were previously published in our main [Low carbon and renewable energy economy, UK bulletin series](#). These will now be released as a separate [bulletin series](#), while the indirect estimates data will continue to be published in our separately in our [Low carbon and renewable energy economy indirect estimates dataset](#).

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1 . Main points

- Indirect estimates provide an indication of the effect that direct economic activity has on the wider economy; estimates for direct low carbon and renewable energy economy (LCREE) activity are available in our [companion release and dataset](#).
- UK indirect LCREE turnover was an estimated £32.2 billion in 2024, while indirect employment was estimated at 149,900 full-time equivalents (FTEs).
- The low carbon electricity group within LCREE had the highest estimated indirect turnover (£13.6 billion) in 2024, while the energy efficient products group had the largest estimated indirect employment (50,100 FTEs).
- The 2024 UK indirect LCREE turnover and employment estimates are at their highest level since 2015, the first year for which comparable data is available.
- Estimates of UK indirect LCREE turnover more than doubled (a 105.6% increase) between 2015 and 2024, from £15.7 billion to £32.2 billion, while employment increased by an estimated 40.6%, from 106,600 to 149,900 FTEs, in the same period.
- As our methods to produce LCREE indirect estimates use 2023 UK input-output analytical tables: industry by industry dataset; estimates for 2024 are provisional.

This publication reflects our updated and improved methodology. We recognise that more work is needed to refine these estimates, for example where proxies are used and where potential double counting may result in a bias towards overestimation. See [Section 3: Data sources and quality](#).

2 . Data on low carbon and renewable energy economy indirect estimates

[Low carbon and renewable energy economy indirect estimates](#)

Dataset | Released 25 February 2026

Annual estimates of low carbon and renewable energy economy (LCREE) direct, indirect, and total turnover and employment in the UK by LCREE sector and group. These are official statistics in development.

3 . Data sources and quality

Data sources

More methodology information on appropriate uses, and how the data were created is available in our [Low Carbon and Renewable Energy Economy \(LCREE\) Survey: indirect estimates methodology](#).

Quality

We have reviewed and updated our methodology for producing LCREE indirect estimates (see the methodology link above).

Our method uses the [UK input-output analytical tables: industry by industry dataset](#).

The methodology used to generate UK input-output tables (IOTs) is constantly under review. A major piece of development work was undertaken in 2017 to generate industry-by-industry IOTs for the first time. Indirect LCREE estimates for 2015 and 2016 are calculated using the 2017 IOT because of a lack of data for these two years.

The latest available version of UK IOTs is the 2023 dataset, first published in December 2025. This lags behind LCREE publication timelines, for which data are available up to the year 2024. Estimates for 2024 are therefore provisional and are calculated using the 2023 IOT. These provisional estimates will be updated once IOTs are available for the corresponding year of LCREE data.

The LCREE survey was conducted for the first time in 2015, to collect data for 2014. Since the publication of these data, we have changed the sampling methodology and the method used to calculate the number of businesses for sectors in the LCREE. We do not advise comparing estimates from 2014 with those from later years of the survey. Estimates for 2014 are not presented in this release or its accompanying dataset because of methodological changes implemented for the survey providing 2015 data.

Limitations

We are aware of a limitation in this method, which results in a bias towards overestimation of the total by summing direct and indirect LCREE estimates. This is because LCREE survey data are currently used to represent direct effect. This is not completely accurate, as the survey data picks up some intermediate demand by different firms in the LCREE. This results in double counting if combining with indirect effects to estimate calculate totals.

An additional limitation to this method when providing indirect LCREE turnover is that it is not currently possible to separate turnover collected from sales from other activity contributing to economic output.

Until these limitations have been addressed, these estimates will continue to be classed as official statistics in development. More information on this can be found in [Section 2: Previous methodology of our Low Carbon and Renewable Energy Economy \(LCREE\) Survey indirect estimates methodology](#).

Official statistics in development

These are [official statistics in development](#), as the quality of the data still needs more work before they can be published as official statistics. More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [Low Carbon and Renewable Energy Economy \(LCREE\) Survey: indirect estimates methodology](#).

4 . Related links

[Low Carbon and Renewable Energy Economy \(LCREE\) Survey: indirect estimates methodology](#)

Methodology | Released 25 February 2026

Information on the methods used to calculate indirect estimates from the Low Carbon and Renewable Energy Economy (LCREE) Survey.

[Low carbon and renewable energy economy, UK: 2024](#)

Bulletin | Released 25 February 2026

Estimates of the size of the UK's low carbon and renewable energy economy, including turnover and employment.

[Low carbon and renewable energy economy estimates](#)

Dataset | Released 25 February 2026

Annual estimates of low carbon and renewable energy economy activity in the UK and constituent countries: turnover, employment, exports, imports, acquisitions, disposals, and number of businesses.

[Low Carbon and Renewable Energy Economy \(LCREE\) Survey QMI](#)

Methodology | Released 25 February 2026

Quality and methodology information for the Low Carbon and Renewable Energy Economy (LCREE) Survey, detailing methods used, data it provides, and strengths and limitations.

[UK inputoutput analytical tables: industry by industry](#)

Dataset | Released 11 December 2025

Includes industry by industry and further analysis tables derived from the annual Supply and Use Tables (SUTs).

[Employment multipliers and effects in the UK](#)

Dataset | Released 19 December 2025

Estimates of full-time equivalent (FTE) employment per £ million, type 1 FTE employment effects, and type 1 FTE employment multipliers. These are official statistics in development.

5 . Cite this statistical bulletin

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