



Notice is given under section 1 of the Statistics of Trade Act 1947

Low Carbon and Renewable Energy Economy Survey



Please do not discard this important document - your response is legally required

00001 42990
CONTACT NAME
OFFICE FOR NATIONAL STATISTICS
GOVERNMENT BUILDINGS
CARDIFF ROAD
NEWPORT
NP10 8XG
***** EXAMPLE PRINT *****

Please write any changes to your name and address in the box below, using black ink

To be completed for: THE BUSINESS NAMED ABOVE

Please complete and return by 13 May 2016

Dear Sir or Madam,

Please find the 2015 questionnaire for the Low Carbon and Renewable Energy Economy Survey attached. Please complete for the calendar year 2015. If actual figures are not available, please provide informed estimates. Once complete, the questionnaire can be returned by post or fax using the details in the box below.

This is an annual survey designed to collect information about the green economy. Given that the green economy can relate to a range of different activities, your business may be contributing without realising. The questionnaire aims to capture if, and how, you may be involved. There is a significant demand from both UK government departments and from government departments within devolved administrations for this information. Results from this survey will be used to provide information on 'green' job creation, potential growth and investment opportunities both nationally and regionally.

We guarantee that while your employment is less than 10, you will be included in just this one ONS business survey and receive no more than 1 questionnaire. You must complete and return this questionnaire, after which you will be excluded from all our business surveys for at least 3 years. The Annual Survey of Hours and Earnings is not covered by this guarantee.

You are required by law to complete this questionnaire. If you do not complete and return this questionnaire by 13 May 2016, penalties may be incurred (under section 4 of the Statistics of Trade Act 1947). All the information you provide is kept strictly confidential. It is illegal for us to reveal your data or identify your business to unauthorised persons.

Thank you for your co-operation,
Office for National Statistics

Questionnaire return details

To return via fax: 01633 652707

To return via post: Please use the prepaid envelope provided which is addressed to:
Office for National Statistics, Government Buildings, Cardiff Road, Newport, NP10 8XG

Contact numbers

Er mwyn gwneud cais am ffurflen Gymraeg (To request a questionnaire in Welsh) 0300 1234 921

If you would like to use our Minicom service for the Deaf 01633 815 044

To complete the questionnaire in Euros 01633 651890

For any other queries, please contact the **Environmental Accounts team** 01633 651890
or go to www.ons.gov.uk/surveys

When contacting the office you may be asked for the following information

Survey code: 007 **Reference number:** 4990 0000 000J **Period:** 201512

- Telephone calls may be recorded for training and quality purposes

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Introduction to the Low Carbon and Renewable Energy Economy Survey 2015

Purpose of this survey

This survey collects financial and employment information relating to low carbon and renewable energy activities. The survey contributes to the measurement of resources devoted to the low carbon and renewable energy economy in the United Kingdom (UK).

Coverage

- Include information for the UK business named on the front of this questionnaire.
- Exclude overseas branches, subsidiaries and agencies.
- The UK consists of England, Wales, Scotland and Northern Ireland, but excludes the Channel Islands and the Isle of Man.

Information required

This questionnaire is divided into four sections, which ask for information about:

- Section A** the reporting period
Section B low carbon and renewable energy sectors
Section C turnover, imports, exports, employment and capital assets
Section D feedback, completion time and your contact details



How to complete the questionnaire

- Give the best estimate you can if you do not have exact figures.
- Read accompanying instructions before completing this questionnaire.
- The items listed as examples should not be taken as a complete list of items.
- Round all values to the nearest £ thousand

For example, £65,315,680 = £ , 6 5 , 3 1 6 , 0 0 0

- Leave question blank if not applicable. **Do not** use 'nil' 'n/a' or draw a line in the data.
- If you have a zero response for a section on the questionnaire please cross the relevant nil return box as shown below.

Mark 'X'
for nil
returns

For example £ , , , 0 0 0

This questionnaire will be scanned, therefore please:

- complete in **black ink**
- ensure letters and numbers are PRINTED and centred within each box
- do not use commas , or dashes -
- do not cross sevens 7 or zeros 0

Section A - Reporting period

1a. Are you able to report for the calendar year ending December 2015?

Yes → Go to Question 2

No → Go to question 1b 10

1b. What are the dates of the 12 month period that you will be reporting for?

Your return should relate to a business year that ends between 6 April 2015 and 5 April 2016

From:

D D	M M	Y Y Y Y
<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

11

To:

D D	M M	Y Y Y Y
<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

12

MRK

DTU



Section B - Low carbon and renewable energy sectors

Please answer the questions referring to the business named on the front of this questionnaire. If this business is part of a wider business group structure, please exclude other members of the group.

2. Did the business named on the front of this questionnaire operate in any of the below sectors in the reporting period given in Section A?

STOP Please read question 3 before selecting the sector to identify if the sector is relevant **ie** if you had any turnover, imports, exports, employment or expenditure on capital assets within the sector.
(The code provided is for use in Section C)

Please all that apply

- | | | |
|-----|--|-----|
| 201 | <input checked="" type="checkbox"/> Offshore wind (CODE - 01)
The production of electricity from Offshore wind renewable sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. | MLA |
| 202 | <input checked="" type="checkbox"/> Onshore wind (CODE - 02)
The production of electricity from Onshore wind renewable sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. | MLA |
| 203 | <input checked="" type="checkbox"/> Solar photovoltaic (CODE - 03)
The production of electricity from Solar renewable sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. | MLA |
| 204 | <input checked="" type="checkbox"/> Hydropower (CODE - 04)
The production of electricity from Hydropower renewable sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. | MLA |
| 205 | <input checked="" type="checkbox"/> Other renewable electricity (CODE - 05)
The production of electricity from wave and/or tidal and/or geothermal renewable sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. | MLA |
| 206 | <input checked="" type="checkbox"/> Bioenergy (CODE - 06)
The production of energy from renewable bioenergy sources and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance. Bioenergy is liquid biofuels, solid biomass and biogas eg biomethane, vegetable oil, peanut oil and energy crops. This sector includes gasification and anaerobic digestion. | MLA |
| 207 | <input checked="" type="checkbox"/> Alternative fuels (CODE - 07)
The production of fuels for low carbon and renewable energy use and/or the design, and/or production, and/or installation of infrastructure for this purpose which is not classed as bioenergy. Including Hydrogen. Excluding compressed natural gas and LPG. | MLA |
| 208 | <input checked="" type="checkbox"/> Renewable heat (CODE - 08)
The design, and/or production, and/or installation of infrastructure for generating heat directly through solar thermal, geothermal or other means. Including operations and maintenance. Including Ground source and Air source heat pumps. Excluding generating electricity which is then used to generate heat. | MLA |
| 209 | <input checked="" type="checkbox"/> Renewable combined heat and power (CODE - 09)
The design, and/or production, and/or installation of infrastructure for generating heat directly through solar, thermal, geothermal or other means where the renewable sources both generate direct heat and electricity. Including operations and maintenance. | MLA |



Important! Please see opposite page for further sectors

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- 210  **Energy efficient lighting (CODE - 10)**
The design, and/or manufacture and/or installation of energy efficient bulbs, tubes, fittings etc designed for the purpose of using less energy to produce the same or greater amount of light. MLA
- 211  **Energy efficient products (CODE - 11)**
The design, and/or manufacture and/or installation of energy efficient products. Examples include:
 - Energy efficient doors and windows
 - Heating and ventilation such as condensing boilers, ventilation and heating recovery,
 - Insulation such as loft, external wall, roof insulation
 - Reducing energy consumption for heat or air conditioning by minimising “leakage” of heat
 - Energy efficient building materials or technologies
 - Sustainable buildings and architecture
 - Either materials with greater insulation properties or durability properties or those requiring significantly less carbon emission in their manufacture or recycling waste materials in their manufacture


Exclude: 'Smart' goods such as TV's and freezers. MLA


212  **Energy monitoring, saving or control systems (CODE - 12)**
The design, and/or manufacture and/or installation of systems that reduce energy consumption through effective heat or energy management. Include equipment and related systems for doing this. Examples include:
 - Smart heating controls
 - Condensation control
 - Control system components
 - Energy management systems
 - Energy management softwareMLA


213  **Low carbon consultancy financial and advisory services (CODE - 13)**
Expert advice and education on: reducing carbon consumption, engaging in low carbon industrial activities, carbon credits and funding systems for low carbon activities and services.
Include: environmental energy consultants, accountancy and legal advice. MLA

214  **Low emission vehicles and infrastructure (CODE - 14)**
Design and manufacture of vehicles with specific technology to significantly reduce or remove emissions. Include installation of infrastructure to support these vehicles.
Include: hybrid vehicles, electric vehicles, fuel cell vehicles or other technologies.
Exclude: small efficiency improvements such as lighter bodywork or aerodynamics. MLA

215  **Carbon capture and storage (CODE - 15)**
Capturing waste CO₂ at point of emission and depositing it where it will not enter the atmosphere. Activity of doing this and/or the design, and/or manufacture and/or installation of infrastructure for this purpose. MLA

216  **Nuclear power (CODE - 16)**
The production of electricity from nuclear power and/or the design, and/or production, and/or installation of infrastructure for this purpose. Including operations and maintenance.
Exclude: decommissioning. MLA

217  **Fuel cells and energy storage systems (CODE - 17)**
The design, and/or manufacture and/or installation of energy storage systems, flywheel energy storage, fuel cells, batteries and any other form of energy storage system. MLA

218  None of the above → Go to **Section D** MLA



Section C - Turnover, imports, exports, employment and capital assets

You have now selected the sectors that the business operates in. Please complete section C for each sector separately. Please enter the code and sector description (from Section B) at the top of each question 3 for all sectors that apply.

	Code	Sector Description
For example, for Offshore wind enter	0 1	Offshore wind

STOP If your business works in more than two sectors please photocopy Section C and complete for additional sectors.

3. Please provide the amounts in the below sectors for the reporting period given.

	Code	Sector Description
Enter code and description for the relevant sector	<input type="text"/>	<input type="text"/>

a. turnover

Turnover consists of total takings or invoiced sales and receipts of the business in connection with the sale of goods and services. Figures should be given gross of indirect taxes, duties and levies (except VAT) invoiced to the customer

Include:

- Feed-in Tariffs

Exclude:

- Grants from any source
- Subsidies from UK public authorities (Renewable Obligation Certificates, Renewable Heat Incentives and Levy Exemption Certificates) and the European Union (EU)

Mark 'X' for nil returns

£ , , ,

b. imports

Expenditure on import of goods/services from individuals, enterprises or other organisations based outside of the UK. Exclude: the import of gas/electricity.

£ , , ,

c. exports

Income from the export of goods/services to individuals, enterprises or other organisations based outside of the UK. Exclude: the export of gas/electricity

£ , , ,

d. employment

During the 12 month reporting period, how many full time equivalents (FTEs) were working in this sector?

One FTE may be thought of as one person-year. For example, a person who normally spends 30% of their time in this sector and the rest in other sectors should be considered as 0.3 FTE. Similarly, if a full-time worker is employed at a unit for only six months, this results in the FTE of 0.5.

For example, 0.75 FTE =

0 .

Include all employees paid directly from this business's payroll(s).

An employee is anyone aged 16 years or over that your business pays from its payroll(s), in return for carrying out a full-time or part-time job or being on a training scheme. . . .

. FTE

NAA

NGA

NGA

NGA

NGB



Section C - Turnover, imports, exports, employment and capital assets

You have now selected the sectors that the business operates in. Please complete section C for each sector separately. Please enter the code and sector description (from Section B) at the top of each question 3 for all sectors that apply.

	Code	Sector Description
For example, for Offshore wind enter	0 1	Offshore wind



If your business works in more than two sectors please photocopy Section C and complete for additional sectors.

3. Please provide the amounts in the below sectors for the reporting period given.

	Code	Sector Description
Enter code and description for the relevant sector	<input type="text"/>	<input type="text"/>

NAA

a. turnover

Turnover consists of total takings or invoiced sales and receipts of the business in connection with the sale of goods and services. Figures should be given gross of indirect taxes, duties and levies (except VAT) invoiced to the customer

Include:

- Feed-in Tariffs

Exclude:

- Grants from any source
- Subsidies from UK public authorities (Renewable Obligation Certificates, Renewable Heat Incentives and Levy Exemption Certificates) and the European Union (EU)

Mark 'X' for nil returns

£ , , , 0 0 0

NGA

b. imports

Expenditure on import of goods/services from individuals, enterprises or other organisations based outside of the UK. Exclude: the import of gas/electricity.

£ , , , 0 0 0

NGA

c. exports

Income from the export of goods/services to individuals, enterprises or other organisations based outside of the UK. Exclude: the export of gas/electricity

£ , , , 0 0 0

NGA

d. employment

During the 12 month reporting period, how many full time equivalents (FTEs) were working in this sector?

One FTE may be thought of as one person-year. For example, a person who normally spends 30% of their time in this sector and the rest in other sectors should be considered as 0.3 FTE. Similarly, if a full-time worker is employed at a unit for only six months, this results in the FTE of 0.5.

For example, 0.75 FTE =

0 . 7 5

Include all employees paid directly from this business's payroll(s).

An employee is anyone aged 16 years or over that your business pays from its payroll(s), in return for carrying out a full-time or part-time job or being on a training scheme. . . .

. FTE

NGB



Section D - Feedback and Contact Details

4. Please use the space below to provide additional information about the information that you have supplied and any comments on the questionnaire.

Including:

- Explanation of information provided
- Ease of providing requested information
- Suggestions of improvements to questionnaire (instructions, terminology, layout)

60

5. How long has it taken you to complete this questionnaire?

This question is voluntary

		hrs	70			mins	71
--	--	-----	----	--	--	------	----

6. Contact information

Please write the details of the person we should contact if we have any queries regarding the information returned on this questionnaire.

Contact Name											
Position in business											
Telephone Number								Ext			
Fax Number											
E-mail address											

Thank you for completing this questionnaire. The information you provide is invaluable and will assist in shaping policy in this important area.

FST

ABB



Detailed guidance to help complete Section C question 3e

This survey collects expenditure on the acquisition and proceeds from the disposal of capital assets that are used repeatedly to facilitate production, or provide services, for more than one year.

Note: information requested may not always be found on a register of capital assets, and should **include** all assets of any value, even if this is below your Asset Register threshold.

Include		Exclude	
Capital assets	<ul style="list-style-type: none"> Assets within the UK. Assets that are used repeatedly to facilitate production, or provision of services, for more than one year. The purchase costs and disposal proceeds of fixed assets, together with any other amounts treated as capital items for taxation purposes. The total capital value of assets that have been bought on hire purchase in the period covered by the survey. 	Capital assets	<ul style="list-style-type: none"> Assets outside the UK. Assets acquired in taking over an existing business or sold as part of a going concern. Assets of a capital nature acquired for re-sale rather than for use within business eg stocks of vehicles held by motor traders. Assets like TV adverts or copyrights. Software licences of up to a year.
Assets transfers and leasing	<ul style="list-style-type: none"> Assets acquired under finance lease ie you (the lessee) are responsible for repairs and maintenance. Assets owned by the business but leased to another business under an operating lease ie you (lessor) are responsible for repairs and maintenance. Any trade or transfer costs invoiced to you separately. 	Assets transfers and leasing	<ul style="list-style-type: none"> Assets leased to another business under finance lease ie repair and maintenance are carried out by the other business (lessee). Assets acquired under an operating lease ie responsibility for repair and maintenance is borne by the owner (lessor) of the asset. Asset transfers between companies owned by the same enterprise (except where the asset value is considered to be a 'new' acquisition or disposal within the company accounts).
		Interest and instalment payments	<ul style="list-style-type: none"> Interest and instalment payments under finance leasing arrangements.
Expenditure	<ul style="list-style-type: none"> Non-deductible VAT. Expenditure on replacing assets destroyed in circumstances (eg fire) which have given rise to a successful insurance claim. Expenditure on assets acquired for hiring, renting and other leasing purposes, but not finance leasing. Capital expenditure at any site belonging to the business where operations have not yet begun. 	Expenditure	<ul style="list-style-type: none"> Deductible VAT. Capital expenditure on assets for use outside the UK (except ships and aircraft).
		Depreciation	<ul style="list-style-type: none"> Allowances for depreciation.
Receipts	<ul style="list-style-type: none"> Grants and allowances from government sources, statutory bodies or local authorities that have been used to acquire or create assets used in production. Finance relating to Public Private Partnership / Private Finance Initiative that has been used to acquire assets. 	Receipts	<ul style="list-style-type: none"> The proceeds from an insurance claim against the loss of fixed assets.
Additions and work in progress	<ul style="list-style-type: none"> Progress payment or deposits covering long-term contracts acquiring fixed assets. 		
Work carried out by staff	<ul style="list-style-type: none"> All work of a capital nature carried out by your own staff, including labour costs and the cost of purchases consumed in the work. 		
Services associated with capital assets	<ul style="list-style-type: none"> Professional charges, installation costs, etc associated with capital assets must be reported with the asset value. 		