



Department
of Energy &
Climate Change

Department of Energy & Climate Change

3 Whitehall Place,

London SW1A 2AW

T: +44 (0)300 068 4000

E: foi@decc.gsi.gov.uk

www.gov.uk/decc

By email:

Our ref: 13/0708

18 June 2013

Dear ,

RE: Freedom of Information request to DECC – Green jobs

Thank you for your email on 2 June 2013 in which you requested information on the number of “green jobs” created by the Government’s energy and climate change policies since 2010 in the UK, and also an analysis of these jobs by industrial sector.

We have considered your request in accordance with the Environmental Information Regulations 2004 (EIRs), rather than under the Freedom of Information Act 2000, as the information you sought disclosure of does, in our view, fall within the definition of ‘environmental information’ in regulation 2(1) of the EIRs.

DECC has two primary sources of evidence on green jobs in the economy. Please note that these figures are not necessarily attributable to a specific policy.

Low Carbon Environmental Goods and Services (LCEGS) Report

The Department for Business, Innovation and Skills (BIS) publishes an annual report on Low Carbon and Environmental Goods and Services (LCEGS), which is available here:

<https://www.gov.uk/government/publications/low-carbon-and-environmental-goods-and-services-2010-11-report>.

This report includes estimates of employment in the UK LCEGS sector. In the most recent report, published in 2012, it is estimated that the volume of UK LCEGS employment in 2010/11 was 939,627. This compares with the 2009/10 figure of 914,273 and shows 2.8% annual growth.

Table 8 on page 25 of the report gives a breakdown of these figures into 24 subsectors within the renewable energy, low carbon, and environmental sectors. Table 9 (page 26) furthermore gives a breakdown of employment within the 28 green economic activities that account for the highest employment levels in 2010/11. Both these tables are attached to this letter in an annex, together with the corresponding tables for LCEGS sales.

Jobs and investment announcements

DECC also maintains a record of investment and jobs announcements in the renewable energy sector. The Secretary of State announced on 22 May 2013 that since 2010 more than £29 billion worth of investment has been announced in the sector with the potential to support

around 30,000 jobs. This may be broken down to show that between January 2010 and April 2013, the renewable energy industry has announced:

- 18,613 jobs and £14.5 billion investment in England;
- 9,143 jobs and £13.1 billion investment in Scotland;
- 1,952 jobs and £1.4 billion investment in Wales; and
- 239 jobs and £304 million investment in Northern Ireland.

The full statement is available on DECC's website here:

<https://www.gov.uk/government/news/davey-announces-29-billion-boost-to-economy-and-makes-the-case-for-scotland-to-remain-in-the-united-kingdom>

I hope that this answers your questions. If you are dissatisfied with the handling of your request, you have the right to ask for an internal review. Under Regulation 11(2) of the EIRs a request for an internal review should be submitted no later than 40 working days after the date of this letter and should be addressed to the information rights unit at foi@decc.gsi.gov.uk.

Please quote the reference number above in any future communications.

If you are not content with the outcome of the internal review you have the right to apply directly to the Information Commissioner for a decision. The Information Commissioner can be contacted at:

Information Commissioner's Office
Wycliffe House
Water Lane
Wilmslow
Cheshire
SK9 5AF

If you have any queries about this letter, please contact us at the above address.

Yours faithfully,

Strategic Analysis,
DECC

Annex: UK LCEGS Employment & Sales

Employment for 2008/09 to 2010/11

	Level 2	Employment 2008/09	Employment 2009/10	Employment 2010/ 11	Growth % 2008/9 to 2009/10	Growth % 2009/10 to 2010/11
Environmental	Air Pollution	9,157	9,186	9,466	0.3	3.0
	Contaminated Land	8,211	8,233	8,504	0.3	3.3
	Environmental Consultancy	7,052	7,100	7,313	0.7	3.0
	Environmental Monitoring	1,449	1,449	1,491	0.0	2.9
	Marine Pollution Control	1,017	1,025	1,055	0.8	2.9
	Noise & Vibration Control	1,951	1,933	1,994	-0.9	3.2
	Recovery and Recycling	54,440	54,629	56,309	0.3	3.1
	Waste Management	43,834	43,571	44,827	-0.6	2.9
	Water Supply and Waste Water Treatment	70,802	70,841	72,932	0.1	3.0
	Low Carbon	Additional Energy Sources	10,491	11,331	11,320	8.0
Alternative Fuel Vehicle		106,173	101,072	104,453	-4.8	3.3
Alternative Fuels		133,242	140,098	143,422	5.1	2.4
Nuclear Power		34,514	35,914	35,910	4.1	0.0
Building Technologies		110,507	109,187	112,634	-1.2	3.2
Carbon Capture & Storage		4,691	4,695	4,685	0.1	-0.2
Carbon Finance		23,580	24,146	24,487	2.4	1.4
Energy Management		22,410	22,648	23,333	1.1	3.0
Renewables	Biomass	46,555	47,485	48,994	2.0	3.2
	Geothermal	78,857	79,012	81,417	0.2	3.0
	Hydro	5,017	4,955	5,100	-1.2	2.9
	Photovoltaic	39,177	39,152	40,398	-0.1	3.2
	Renewable Consulting	4,519	4,865	4,856	7.6	-0.2
	Wave & Tidal	622	552	570	-11.3	3.3
	Wind	91,514	91,194	94,157	-0.3	3.2
	Total	909,782	914,273	939,627	0.5	2.8

Activities with highest employment levels for 2010/11

Level 2	Level 3	Employment	% of Total
Alternative Fuels	Other Bio Fuels	101,192	10.8
Alternative Fuel Vehicle	Alternative Fuels (main Stream) for Vehicles Only	90,934	9.7
Water Supply and Waste Water Treatment	Water Treatment and Distribution	50,582	5.4
Building Technologies	Windows	41,820	4.5
Wind	Wind Farm Systems	38,226	4.1
Building Technologies	Insulation and Heat Retention Materials	34,801	3.7
Geothermal	Whole Systems Manufacture	32,580	3.5
Wind	Large Wind Turbine	31,064	3.3
Building Technologies	Doors	25,032	2.7
Wind	Small Wind Turbine	24,866	2.6
Recovery and Recycling	Waste Collection	22,976	2.4
Biomass	Biomass Energy Systems	22,028	2.3
Water Supply and Waste Water Treatment	Engineering	20,244	2.2
Geothermal	Suppliers of Systems	18,525	2.0
Waste Management	Equipment For Waste Treatment	17,806	1.9
Photovoltaic	Systems & Equipment	17,213	1.8
Alternative Fuels	Main Stream Bio Fuels	17,189	1.8
Alternative Fuels	Other Fuels	16,941	1.8
Geothermal	Manufacture and Supply of Specialist Equipment	16,908	1.8
Waste Management	Construction & Operation of Waste Treatment Facilities	16,827	1.8
Carbon Finance	Carbon Credits Trading	16,445	1.8
Biomass	Boilers and related Systems	14,086	1.5
Alternative Fuel Vehicle	Other Fuels and Vehicles	13,519	1.4
Geothermal	Consulting & Related Services	12,602	1.3
Nuclear Power	Nuclear Power Plant Operations	12,453	1.3
Building Technologies	Monitoring and Control Systems	10,981	1.2
Photovoltaic	Photovoltaic Cells	10,902	1.2
Nuclear Power	Nuclear Safety Engineering Services	10,041	1.1

Source: BIS Low Carbon and Environmental Goods and Services (2012), Tables 8 & 9, p25-26

Total LCEGS sales in £m for 2008/09 to 2010/11

Level 2	Sales £m 2008/09	Sales £m 2009/10	Sales £m 2010/ 11	Growth % 2008/9 to 2009/10	Growth % 2009/10 to 2010/11	
Environmental	Air Pollution	978	997	1,018	2.0	2.1
	Contaminated Land	939	963	990	2.6	2.8
	Environmental Consultancy	770	794	821	3.1	3.4
	Environmental Monitoring	155	160	166	3.3	3.7
	Marine Pollution Control	124	129	133	3.7	3.5
	Noise & Vibration Control	212	220	229	3.9	4.0
	Recovery and Recycling	6,724	6,936	7,174	3.2	3.4
	Waste Management	4,946	5,071	5,210	2.5	2.7
	Water Supply and Waste Water Treatment	8,101	8,230	8,373	1.6	1.7
Low Carbon	Additional Energy Sources	1,251	1,297	1,347	3.7	3.9
	Alternative Fuel Vehicle	13,113	12,915	13,430	-1.5	4.0
	Alternative Fuels	15,678	17,176	18,107	9.6	5.4
	Nuclear Power	3,727	3,798	3,873	1.9	2.0
	Building Technologies	13,526	14,129	14,794	4.5	4.7
	Carbon Capture & Storage	483	497	515	2.9	3.6
	Carbon Finance	5,640	5,925	6,319	5.0	6.7
	Energy Management	2,634	2,718	2,812	3.2	3.4
Renewables	Biomass	5,216	5,454	5,728	4.6	5.0
	Geothermal	9,722	10,186	10,701	4.8	5.1
	Hydro	516	529	544	2.5	2.8
	Photovoltaic	4,721	4,997	5,315	5.8	6.4
	Renewable consulting	492	505	520	2.7	2.9
	Wave & Tidal	78	82	86	4.7	5.3
	Wind	12,258	13,070	14,017	6.6	7.2
Total	112,004	116,780	122,222	4.3	4.7	

Activities with highest sales (£m) for 2010/11

Level 2	Level 3	Sales £m	% of Total
Alternative Fuels	Other Bio Fuels	12,889	10.5
Alternative Fuel Vehicle	Alternative Fuels (main Stream) for Vehicles Only	11,697	9.6
Water Supply and Waste Water	Water Treatment and Distribution	5,957	4.9
Wind	Wind Farm Systems	5,681	4.6
Building Technologies	Windows	5,428	4.4
Carbon Finance	Carbon Credits Trading	4,925	4.0
Building Technologies	Insulation and Heat Retention Materials	4,445	3.6
Wind	Large Wind Turbine	4,403	3.6
Geothermal	Whole Systems Manufacture	4,280	3.5
Wind	Small Wind Turbine	3,933	3.2
Building Technologies	Doors	3,345	2.7
Recovery and Recycling	Waste Collection	2,782	2.3
Biomass	Biomass Energy Systems	2,370	1.9
Geothermal	Suppliers of Systems	2,368	1.9
Photovoltaic	Systems & Equipment	2,361	1.9
Geothermal	Manufacture and Supply of Specialist Equipment	2,270	1.9
Alternative Fuels	Other Fuels	2,179	1.8
Water Supply and Waste Water	Engineering	2,172	1.8
Waste Management	Construction & Operation of Waste Treatment Facilities	2,141	1.8
Alternative Fuels	Main Stream Bio Fuels	1,998	1.6
Biomass	Boilers and related Systems	1,843	1.5
Waste Management	Equipment For Waste Treatment	1,748	1.4
Alternative Fuel Vehicle	Other Fuels and Vehicles	1,734	1.4
Geothermal	Consulting & Related Services	1,646	1.3
Building Technologies	Monitoring and Control Systems	1,576	1.3
Nuclear Power	Nuclear Power Plant Operations	1,523	1.2
Photovoltaic	Photovoltaic Cells	1,390	1.1
Photovoltaic	Other Related Equipment and Chemicals	1,252	1.0
Recovery and Recycling	Glass Stock Processing	1,070	0.9

Source: BIS *Low Carbon and Environmental Goods and Services (2012)*, Tables 4 & 5, p21-22