



## Appendix A - References

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Scene Connect (2012) A UK Database of Community-led Renewable Energy Development. *Online dataset viewable at:* [www.energyarchipelago.com](http://www.energyarchipelago.com)

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## Appendix B – Methodology

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### 1.1. Overview

The State of the Sector community energy report is based on the collation of data from several sources and aims to form the most comprehensive overview of the community energy sector in England, Wales and Northern Ireland to date.

The report uses data obtained from a variety of sources, though primarily focused on data obtained through an in-depth online survey. It is important to note that the response rate to the online survey does not constitute a complete picture of the community energy sector, with further research techniques employed to bridge gaps in the data where possible.

This appendix will provide an overview of the research design, sampling and data gathering techniques, and means of analysis. All actions and assumptions made within the research are detailed below.

### 1.2. Research Design

Several key resources provided a basis for the research, including:

- Community Energy England’s Members Directory
- Community Energy Wales’ Members Directory
- 2015 Quantum Community Energy Survey<sup>1</sup>
- Scene Connect’s Energy Archipelago Database<sup>2</sup>

Drawing on these resources, an initial database was designed to maximise the use of previously collected data and to build upon previous attempts to detail the state of the community energy sector.

The database provided a platform to build an online survey, which was made available from the 20<sup>th</sup> January 2017 – 28<sup>th</sup> February 2017.

### 1.3. Sample Definition

Two key variables were used to ensure that all respondents could be considered both ‘community’ and ‘energy groups.’

Community organisations were defined as organisational bodies owned or managed (entirely or in part) by a number of ‘community actors’ to the benefit of a local area, people or mutual group. Due to the complexity and often grey area between local and community initiatives, only groups with community reinvestment and development listed as a focal point were included. Particular focus on registered community benefit societies (BenCom), Community Interest Companies (CIC) and Cooperatives helped to reduce sampling errors in this regard. All data was verified to ensure the community element of the project was definable and agreed upon before inclusion.

Due to a sectoral trend of utilising special purpose vehicles (SPV) to own or manage energy assets or initiatives, all groups were processed for duplication across a wide range of variables to ensure double counting of data did not occur.

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<sup>1</sup> Conducted on behalf of Community Energy England [www.communityenergyengland.org/energy/community-energy-generating-more-than-community-energy](http://www.communityenergyengland.org/energy/community-energy-generating-more-than-community-energy)

<sup>2</sup> Mapping interface accessible at: [www.energyarchipelago.com](http://www.energyarchipelago.com)



Where non-community groups were involved in partnership projects, the survey explicitly asked for ownership structures and percentages to ensure the community element of the projects in question were captured.

Energy groups were defined as being involved in one or more of the below activities:

- Energy generation (including electricity and heat);
- Energy supply;
- Energy storage;
- Energy efficiency (including advice, service provision and funding);
- Demand reduction (including advice, service provision and funding);
- And, electric vehicle or low carbon transport initiatives.

As with the community credentials of the respondent groups, all data was verified to ensure that they met the sample criteria as an 'energy group.'

As the report aims to define the 'State of the Sector,' data was collected solely for groups with active or imminently active projects (e.g. currently or soon to be generating electricity or providing energy efficiency improvements). There are a large number of groups aspiring to deploy low carbon technologies or initiatives but are in early stages, or currently outside the criteria set out above. This limited the research to identifying and surveying the 'active' part of the community energy sector, thus focusing on groups contributing to carbon reduction and providing local community benefits.

## 1.4. Data Collection

### 1.4.1. Foundation Data

Data collected prior to the study by the project partners was used as a basis for identifying and contacting community energy groups, rather than a source of secondary data. This is due to the outdated nature of the databases previously discussed.

A contact database was created using these resources and augmented through desk based research of community energy groups within the sampling criteria.

Identified organisations were then included in the survey, firstly as a candidate for online surveying and latterly for desk-based research.

### 1.4.2. Desktop Research

Desk-based research was utilised in both the identification of community energy organisations and the collection of secondary data for analysis.

Web searches of umbrella groups within the community energy sector (e.g. Energy4all, 10:10, Sharenergy) provided access to aggregated details on community energy groups. Further investigation of specific community energy news and organisational websites was also used to obtain basic details about community energy organisations, including contact details.

Secondary data was collected at a later stage of the research, to ensure that double counting groups who had responded to the online survey was not an issue. Data collection focused primarily on groups identified and verified as 'community energy' groups but whom had not responded to initial survey requests.

Due to limited coverage of community energy activities, as well as limited resources to update organisational websites, only active projects that were verified to be generating power or offering energy services were included. This was achieved through the selection of data sources within





specified timeframes (since Jan 2016), as well as groups with concrete evidence of their activity (i.e. evidence that organisations had completed and are still operating their project(s)). Social media was used to gather information on groups currently active, as well as to make contact with groups who had not previously responded.

Due to the complexity and lack of public access to much of the data required, data from desk based analysis was less comprehensive than online surveying, providing details primarily relating to organisational structures and technology specifications.

### 1.4.3. Surveying

Surveying was primarily achieved through the use of an online survey, designed within Google Forms<sup>3</sup>. The full survey document can be found in Appendix C.

The survey was designed in line with the initial database to provide an overview of the sector through several key themes:

- Organisational information
  - Including governance, human resources and legal structures
- Primary and Secondary Activities
  - Including electricity and heat generation, energy efficiency, demand management, and transport.
- Finance Raising
  - Including development funding and capital finance.
- Community Outcomes
  - Including financial, environmental and social benefits.
- Sectoral policy, barriers and future outlook.

The survey was conducted by 159 respondents (35% of all identified organisations). Data was augmented through desk-based research to include a further 81 organisations. Overall the research collected data on 240 community energy organisations active in the sector from an initial sample of ~400 groups.

It is worth noting that data was not collected for 160 organisations due to several reasons, including:

- Limited or no online presence [50];
- Failing to fit sample definitions (e.g. non-community or non-energy focused organisations) [30];
- Group inactivity [22];
- or, lack of active or imminently active projects [58].

Further surveying was conducted with local authorities throughout England to provide information on public sector engagement with community energy organisations and activities. In total 9 Local Authorities responded to the survey.

## 1.5. Analysis

The first stage within data analysis was to collate and clean the data, due to the openness of many questions asked within the survey and the variant data gathering techniques utilised.

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<sup>3</sup> [www.docs.google.com/forms](http://www.docs.google.com/forms)



The database was separated in line with the survey structure to enable more efficient analyses, with data cleaned into string and numeric values. Where data was considered insufficient or incorrect (e.g. erroneous generation values), a non-response value was recorded.

Analysis focused on providing an accessible understanding of the community energy sector in England, Wales and Northern Ireland through aggregated statistical analysis, mapping and qualitative data presentation. Data was analysed using Tableau, allowing for the creation of infographics detailing the state of the community energy sector. Quantum GIS was used to conduct heat map and locational analyses.

Survey data from stalled or inactive projects was processed qualitatively, providing subsidiary evidence of the barriers to community energy development.

Local Authority data was processed qualitatively, forming a basis for in-depth case studies of community-public partnership and as supporting evidence through quotations and theme analyses of the local authority responses.

### **1.6. Ethics**

All data collected within both the surveying and desk based research, including all contact details, were processed in anonymous forms and not shared outside the project team.

Privacy questions within the online survey allowed respondents to authorise the use of more in depth case studies within our reporting, as well as allowing their data to be displayed on Community Energy England's Community Energy Hub.

Where case studies were used, respondents were asked to review the document before the report was finalised.



## Appendix C – Surveyed Organisation Lists

The 124 community organisations listed below completed the survey. A further 18 organisations completed the survey but did not consent to being listed here.

England	
361 Energy CIC	Killington Sustainable Energy Trust
Amber & Derwent Valley Community Energy Ltd	Leominster Sunrise Cooperative
Ashton Hayes Community Energy C.I.C.	Liverpool Community Renewables
Basingstoke energy Services Cooperative	Low Carbon Chilterns Cooperative
Bath & West Community Energy	Low Carbon Gordano
Baywind Energy Coop Ltd	Malvern Community Energy Cooperative
Brampton and Beyond Energy	Meadow Blue Community Energy Ltd
Brendon Energy	Morecambe Bay Community Renewables
Brent Pure Energy	Neen Sollars Community Hydropower Cooperative
Brighton & Hove Energy Services Cooperative	Orchard Community Energy
Brighton Energy Co-op	OVESCO Ltd
Bristol Energy Cooperative	Oxford North Community Renewables
Bristol Energy Network	Plymouth Energy Community
Bristol Power Cooperative	Pomona Solar Cooperative Ltd
Burnside Community Energy Ltd	Repower Balcombe
Carbon Cooperative	Repowering London Ltd
Chester Community Energy Ltd	Rose Hill and Iffley Low Carbon
Community Energy Birmingham Ltd	Saddleworth Community Hydro Ltd
Community Energy Cumbria	Settle Hydro
Community Energy Plus	Sheffield Renewables Ltd
Community Energy Warwickshire Ltd	Solar SOAS
Community Power Cornwall	Solesco Cooperative Ltd
Community Renewable Energy Wandsworth	South Dartmoor Community Energy
Ealing Transition	South East London Community Energy
East Bridgford Community Energy IPS Ltd	South Hill Association for Renewable Energy
Easton Energy Group	Southern Staffordshire Community Energy
Energise Sussex Coast	Southill Community Energy
Energy Alton	Sport in Desford
Energy Prospects	Springbok Sustainable Wood Heat Cooperative Ltd
Esk Energy (Yorkshire) Ltd	Stockport Hydro
ESVIPS	Stockwood Community Benefit Society Ltd
Exeter Community Energy Ltd	Sustainable Blewbury
Fenland Green Power Cooperative	Sustainable Energy 24
Ferry Farm Community Solar Ltd	Sustainable Linton
Forest Row Energy Cooperative Ltd	Teign Energy Communities Ltd
Four Winds Energy Cooperative Ltd	The Big Lemon CIC
Friends of Millhouses Park	The Schools' Energy Cooperative Ltd
Future Homes	Torrs Hydro
Gamlingay Community Turbine	Transition Bewdley Energy Group
Gawcott Fields Community Solar Project CIC	Two Rivers Community Energy Society Ltd
Gloucestershire Community Energy Cooperative Ltd	Verdant Community Energy CIC
Grand Union Community Energy Ltd.	Wadebridge Renewable Energy Network
Greater Manchester Community Renewables Ltd	Wedmore Community Power Cooperative
Green Community Buildings	Wendron Cricket club
Green Energy Nayland Ltd	West Oxford Community Renewables
Grimsby Community Energy	West Solent Solar





Hampshire Renewable Energy Cooperative	Westmill Solar Cooperative
Harborough Energy Ltd	Westmill Sustainable Energy Trust
Harbury Energy Initiative	Westmill Wind Farm (WWF)
Hertford Energy Now	Wey Valley Solar Schools Energy Cooperative Ltd
High Winds Community Energy Society Ltd	Wight Community Energy
HKD Energy Ltd	Wiltshire Wildlife Community Energy
Kelsale-cum-Carlton Community Energy Ltd	York Community Energy
<b>Wales</b>	
Awel Cooperative	Gwent Energy CIC
Bridges Centre	Swansea Community Energy & Enterprise Scheme
Bro Dyfi Community Renewables Ltd	Transition Bro Gwaun
Cardiff Community Energy	Transition Monmouth
Carmarthenshire Energy Ltd	Y Felin Ddwr
Crucorney Environmental Group	Ynni Anafon Energy Cyf.
Ecodyfi	Ynni Cymunedol Talybolion
Egni - Wales Solar PV Cooperative	Ynni Padarn Peris
<b>Northern Ireland</b>	
Drumlin Wind Energy Cooperative	
<b>Umbrella Organisations</b>	
Communities for Renewables	Low Carbon Hub
Community Energy South	Mongoose
Energy4All	Sharenergy
Generation Community	Northern Ireland Community Energy
<b>Local Authorities</b>	
Cornwall Council	Newcastle City Council
Devon County Council	Oxford City Council
Dorset County Council	Plymouth City Council
Leeds City Council	
<b>Desk-based Survey Organisations<sup>4</sup></b>	
Abbot's Mill	Holywell & District Transition Group
Abergavenny Energy CIC	Hook Norton Low Carbon
Action on Energy	Low Carbon Oxford North
Alston Moor Community Energy	Low Carbon South Oxford
Appleton le Moors and Spaunton Energy Group	Low Carbon West Oxford
Avalon Community Energy Ltd	Ludlow Community Hydro
Bedminster Energy Group	Marches Energy Agency
Bee Sustainable	Marshfield Energy Project
Calderdale Community Energy	Moss Community Energy
Canolfan Beaumaris	Muswell Hill Sustainability Group
Cardigan Swimming Pool & Leisure Complex	Nadder Community Energy
Cathays and Central Youth and Community Project	Narbeth Energy Ltd
Chase Community Solar	Nottinghamshire Community Energy (Mongoose)
Chelwood Community Energy Ltd (Mongoose)	NSA Afan

<sup>4</sup> Publicly available data was collected for the organisations within this section of the study. Due to limited availability of data, these organisations contributed to high level analysis, such as organisational numbers, distribution and generation capacity.



Corwen Electricity Coop	Okehampton College
County Durham Community Energy CIC	Oldham Community Power
Crowborough Rugby Football Club	Parish Church of Saint George
Cuckmere Community Solar	Pembrokeshire South East Energy Group
Cumbria Action for Sustainability	Pennine Community Power
Cwmclydach Community Development Trust	Power Up North London
Dean Heritage Centre	Rochdale Community Energy CIC
Derwentwater YHA	South Wheatley Environmental Trust
Dyffryn Crawnon Green Energy CIC	St John's Sunshine
Energise Barnsley	Stamford Community Energy
Energy Efficient Widcombe	Sunrise Community Energy
Friends of Taff Bargoed Park	Sustainable Hockerton
Frome Renewable Energy Co-operative	Sustainable South Brent
Furzedown Low Carbon Zone	Sustainable Wallingford
Glamis Hall Rooftop Solar Panels	Talybont-on-Usk Energy
Goring & Streatley Sustainability Group	Tamar Energy Community
Greater Grimsby Community Power	Totnes Renewable Energy Society
Green Fox Community Energy	Transition Eynsham Area
Gwendraeth Valley Energy Co-operative	Tring Community Energy
Hackney Energy	Valley Wind
Halton Lune Hydro	Whalley Community Hydro
Herefordshire New Leaf Cooperative Ltd	Woolhope Woodheat
Hexham Community Partnership	Ynni Ogwen





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## Appendix D – State of the Sector Survey 2017

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### State of the Sector Survey 2017

Welcome to the Community Energy England and Community Energy Wales State of the Sector Survey 2017. This survey aims to collect data on community energy generation, energy savings and CO2 reduction projects in England, Wales and Northern Ireland.

The findings from this survey will inform a 'State of the Sector' report, which will be crucial in helping us to decide how to influence government policy over the next 12 months and in raising awareness of the value of community energy. It is therefore very important for us to get an accurate view of activity across the community energy sector. The report will also feed into the ongoing work of Community Energy England and Community Energy Wales, supporting and aiding communities to develop their own low carbon projects.



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## 2 Instructions

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The survey is split into four sections, looking to gather information on:

- 1) Details about your community organisation;
- 2) Community energy activities your organisation is involved with, including both primary and secondary activities (e.g. energy generation and energy efficiency);
- 3) The financial, social and environmental outcomes of your organisation's work;
- 4) The future plans of your organisation.

If you are involved with more than one organisation please complete separate surveys for each organisation. The survey may be sent to multiple contacts in each organisation, please try to ensure only one response if filled out per organisation if possible.

If you are unable to complete the form in one go it is possible to exit the survey and then complete it at a later date. Page numbers are there to help you and us keep track of answers, but do not necessarily relate to progress, or how much further you have to go. In order to save your answers you must submit the survey, please follow the steps below:

- 1) Select 'Save and return later' at the end of your current section
- 2) Select the submit button
- 3) Select 'Edit your response'
- 4) Save the web page URL for access at a later date





If you have any issues filling out the survey, or difficulties saving your survey to edit at a later date, please email a survey administrator at [survey@communityenergyengland.com](mailto:survey@communityenergyengland.com). The deadline for submissions is 20 February 2017.

Thank you for participating in this survey.

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### 3 Your Details

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Please answer the following questions about your personal details.

1. What is the name of your organisation?

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2. What is your role in your organisation?

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3. Please provide a correspondence / head office address

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4. Your name

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5. Your email address




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6. Do you want to save and return later or continue?

Please Note there are four steps: 1) Select 'Save and return later' 2) Select the submit button 3) Select 'Edit your response' 4) Save the web page URL for access at a later date Mark only one oval.

- Continue
- Save and return later   Stop filling out this form.

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## 4    Group Details

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These questions are related to your participating organisation

7. Please select the structure of your organisation Mark only one oval.

- Community Benefit Society (BenCom) / Registered Society
- Co-operative
- Community Interest Company (CIC)
- Charity Other: \_\_\_\_\_

8. Please provide your company's registration number  
(i.e Companies House, FCA or Charity Commission)

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9. How many full time equivalent (FTE) staff does your organisation employ?  
(e.g. 1 full time post and 1 part-time post working two days per week would total 1.4 FTE)

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10. How many volunteers do you have currently?  
Mark only one oval.

- <10
- 10-19
- 20-29
- 30-49
- 50-99
- >100

11. Please state the number of members in your organisation

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12. Please provide your organisation's website URL

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13. Please provide your organisation's Twitter page

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14. What is your organisation's annual turnover and what period does that cover? (e.g. £45,000 April 2015 - April 2016)

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15. Do you want to save and return later or continue?

Please Note there are four steps: 1) Select 'Save and return later' 2) Select the submit button 3) Select 'Edit your response' 4) Save the web page URL for access at a later date Mark only one oval.

- Continue
- Save and return later    Stop filling out this form.

## 5 Your organisation's primary activity

Please enter data for all of your projects/schemes related to the primary business or trading activity area that you choose (e.g. for electricity generation please enter data on all of your electricity generation projects). There will be the opportunity later in the survey to refer to any other activity that your organisation may be involved in.

16. Please select the primary activity of your organisation Mark only one oval.

- Electricity Generation    After the last question in this section, skip to question 20.
- Heat Generation    After the last question in this section, skip to question 27.
- Transport    After the last question in this section, skip to question 34.
- Energy Storage    After the last question in this section, skip to question 36.

Energy Efficiency and/or Demand Management    After the last question in this section, skip to question 38.

17. Please provide a brief description of your organisation's primary activity

Please provide information related specifically to the type of activity selected in the previous question (No more than 100 words)

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18. What is the geographical location of your primary activity by region of England, Wales or Northern Ireland?  
Mark only one oval.



- Antrim
- Armagh
- Blaenau Gwent
- Bridgend
- Caerphilly
- Cardiff
- Carmarthenshire
- Ceredigion
- Conwy
- Denbighshire
- Down
- East of England
- East Midlands
- Fermanagh
- Flintshire
- Gwynedd
- Isle of Anglesey
- London
- Londonderry
- Merthyr Tydfil
- Monmouthshire
- Neath Port Talbot
- Newport
- North East England
- North West England
- Pembrokeshire
- Powys
- Rhondda Cynon Taff
- South East England
- South West England



Swansea Torfaen

Tyrone

Vale of Glamorgan

West Midlands

Wrexham

Yorkshire and the Humber

19. If your primary activity is located in multiple regions, please select a second region below.

Mark only one oval.





- Antrim
- Armagh
- Blaenau Gwent
- Bridgend
- Caerphilly
- Cardiff
- Carmarthenshire
- Ceredigion
- Conwy
- Denbighshire
- Down
- East of England
- East Midlands
- Fermanagh
- Flintshire
- Gwynedd
- Isle of Anglesey
- London
- Londonderry
- Merthyr Tydfil
- Monmouthshire
- Neath Port Talbot
- Newport
- North East England
- North West England
- Pembrokeshire
- Powys
- Rhondda Cynon Taff
- South East England
- South West England



Swansea Torfaen

Tyrone

Vale of Glamorgan

West Midlands

Wrexham

Yorkshire and the Humber

## 6 Electricity Generation

20. Which of the following electricity generation technologies does your organisation currently operate?

Check all that apply.

Solar PV

Wind

Hydro

\_\_\_\_\_

Other:

21. Is / are your site(s) operational?

Mark only one oval.

Yes

No

\_\_\_\_\_

Other:

22. If so, in which year did your organisation first produce electricity? Please state N/A if you have not commenced production

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

23. What is the total capacity (kW) of your organisation's electricity generation project(s) Please provide information as of December 2016



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24. How much energy have you produced since you commenced generation? (kWh)

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25. Please provide site details for all generating sites  
(i.e. Site 1 - technology, post code, generating capacity (kW))

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26. Please provide any extra details about your project  
Please provide further information that you think may be useful for CEE/CEW about your projects (e.g. number of customers, number of turbines / solar panels, etc). Please omit ownership and investment details as they are asked for later in the survey.

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Skip to question 43.

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## 7 Heat Generation

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27. Please select the relevant heat generation technology Mark only one oval.

- Biomass Boiler
- Biomass District Heat Network
- Anaerobic Digestion
- Heat Pump Other: \_\_\_\_\_



28. Is / are your site(s) operational?

Mark only one oval.

Yes

No

29. If so, in which year did your organisation first produce heat?

Please state N/A if you have not commenced production

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30. What is the total capacity (kW) of your organisation's heat generation project(s) Please provide information as of December 2016

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31. How much energy have you produced since you commenced generation? (kWh)

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32. Please provide site details for all generating sites  
(i.e. Site 1 - technology, post code, generating capacity (kW))

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33. Please provide any extra details of your project

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. number of customers, number of turbines / solar panels, etc.). Please omit ownership and investment details as they are asked for later in the survey.



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Skip to question 43.

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## 8 Transport

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34. Please select the type of transport activities Mark only one oval.

- Electric vehicles Hydrogen
- vehicles
- \_\_\_\_\_ Other:

35. Please provide further details on your transport activities

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. number of electric vehicles, type of cycling training, etc.) Please omit ownership and investment details as they are asked for later in the survey.

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Skip to question 43.

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## 9 Energy Storage

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36. Please select the type of energy storage Check all that apply.

- Hydrogen Storage
- Electrical Storage Other:
- \_\_\_\_\_

37. Please

provide further details on your energy storage activities

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. size of storage, type of battery, etc.)



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Skip to question 43.

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## 10 Energy Efficiency and Demand Management

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38. What types of energy efficiency services do you provide?

Check all that apply.

- Energy audits
- Energy cafes
- Smart meters
- Energy switching
- Insulation
- Energy efficient lighting
- \_\_\_\_\_

Advice on energy efficient appliances

Other:

39. Please detail the nature of the energy efficiency measures and services provided by your organisation. (no more than 500 words)

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40. How many members of your community have been provided with services or physical works?

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41. What type of support for energy efficiency measures does your organisation offer?

Check all that apply.



- Loans
- Grants Advice
- None of the above Other:
- 
- 

42. Do you measure the value

of the energy efficiency works provided by your organisation? If so, how do you measure this and what value have you placed on your activity?

(e.g. Improved building energy ratings, reduced energy costs, reduction in energy bills)

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Skip to question 43.

## 11 Primary activity details: Part 2

43. What ownership models do you use in connection with your primary area of activity?

You may select more than one Check all that apply.

- Community Owned
- Community-Commercial Partnership
- Community-Public Partnership (Inc. partnerships with local authority)
- Unknown

Other: \_\_\_\_\_

44. If you have selected a partnership option, please detail the nature of the partnership. (e.g. 40% community : 60% commercial)

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45. Have you used any of the following Development Funding?

Check all that apply.



- Community and Renewable Energy Scheme (CARES)
- Rural Community Energy Fund (RCEF)
- Urban Community Energy Fund (UCEF)
- Ynni'r fro Other: \_\_\_\_\_

46. Please state the values of each of the development funding types identified above (e.g. CARES £10,000 ; UCEF £30,000)

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47. What is the total value of investment in the primary activity to date? (£)

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48. Please identify which investment type(s) have been utilised for the primary area of activity  
Check all that apply.

- Community Shares
- Bonds / Debentures
- Loans
- Grants Other: \_\_\_\_\_

49. Please detail the value of any community shares utilised (e.g. £100,000)

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50. Please detail the value and term / rate of any bonds / debentures utilised  
(e.g. £100,000 at 4% over 8 years)





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51. Please detail the value, source and term / rate of any loans utilised  
(£100,000 Cooperative Bank at 5% over 15 years)

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52. Please detail the values and sources of any grants utilised  
(e.g. £100,000 BIG Lottery)

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53. Which support tariffs does your project use?  
Check all that apply.

- Feed-in Tariff (FiT)
- Renewable Obligation Certificates (ROC)
- Renewable Heat Incentive (RHI)
- None \_\_\_\_\_

Other:

54. Was your organisation able to offer any tax reliefs when they were available?  
(e.g. Enterprise investment Scheme (EIS), Seed Enterprise Investment Scheme (SEIS), Social  
Investment Tax relief (SITR), etc.)

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55. Do you want to save and return later or continue?



Please Note there are four steps: 1) Select 'Save and return later' 2) Select the submit button 3) Select 'Edit your response' 4) Save the web page URL for access at a later date Mark only one oval.

- Continue
- Save an return later    Stop filling out this form.

56. Does your organisation have a secondary low-carbon activity? (e.g. Does your organisation also undertake energy efficiency work as well as generation?) Mark only one oval.

- Yes
- No    Skip to question 94.

## 12 Your organisation's secondary activity

Please enter data for all of your projects/schemes related to the secondary business or trading activity area that you choose (e.g. for electricity generation please enter data on all of your electricity generation projects). There will be the opportunity later in the survey to refer to any other activity that your organisation may be involved in.

57. Please select the secondary activity of your organisation Mark only one oval.

- Electricity Generation    After the last question in this section, skip to question 61.
- Heat Generation    After the last question in this section, skip to question 68.
- Transport    After the last question in this section, skip to question 75.
- Energy Storage    After the last question in this section, skip to question 77.
- Energy Efficiency and/or Demand Management    After the last question in this section, skip to question 79.

58. Please provide a brief description of your organisation's secondary activity

Please provide information related specifically to the type of activity selected in the previous question (No more than 100 words)

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59. What is the geographical location of your secondary activity by region of England, Wales or Northern Ireland?  
Mark only one oval.



- Antrim
- Armagh
- Blaenau Gwent
- Bridgend
- Caerphilly
- Cardiff
- Carmarthenshire
- Ceredigion
- Conwy
- Denbighshire
- Down
- East of England
- East Midlands
- Fermanagh
- Flintshire
- Gwynedd
- Isle of Anglesey
- London
- Londonderry
- Merthyr Tydfil
- Monmouthshire
- Neath Port Talbot
- Newport
- North East England
- North West England
- Pembrokeshire
- Powys
- Rhondda Cynon Taff
- South East England
- South West England



Swansea Torfaen

Tyrone

Vale of Glamorgan

West Midlands

Wrexham

Yorkshire and the Humber

60. If your secondary activity is located in multiple regions, please select a second region below.

Mark only one oval.



- Antrim
- Armagh
- Blaenau Gwent
- Bridgend
- Caerphilly
- Cardiff
- Carmarthenshire
- Ceredigion
- Conwy
- Denbighshire
- Down
- East of England
- East Midlands
- Fermanagh
- Flintshire
- Gwynedd
- Isle of Anglesey
- London
- Londonderry
- Merthyr Tydfil
- Monmouthshire
- Neath Port Talbot
- Newport
- North East England
- North West England
- Pembrokeshire
- Powys
- Rhondda Cynon Taff
- South East England
- South West England



Swansea Torfaen

Tyrone

Vale of Glamorgan

West Midlands

Wrexham

Yorkshire and the Humber

### 13 Electricity Generation

61. Which of the following electricity generation technologies does your organisation currently operate?

Check all that apply.

Solar PV

Wind

Hydro

\_\_\_\_\_

Other:

62. Is / are your site(s) operational?

Mark only one oval.

Yes

No

63. If so, in which year did your organisation first produce electricity? Please state N/A if you have not commenced production

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

64. What is the total capacity (kW) of your organisation's electricity generation project(s) Please provide information as of December 2016



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65. How much energy have you produced since you commenced generation? (kWh)

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66. Please provide site details for all generating sites  
(i.e. Site 1 - technology, post code, generating capacity (kW))

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67. Please provide any extra details of your project  
Please provide information that you think may be useful for CEE/CEW about your projects (e.g. number of customers, number of turbines / solar panels, etc.). Please note that ownership models and investment information is asked in the following pages so these topics do not need to be discussed.

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Skip to question 84.

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## 14 Heat Generation

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68. Please select the relevant heat generation technology Mark only one oval.





- Biomass Boiler
- Biomass District Heat Network
- Anaerobic Digestion
- Heat Pump Other: \_\_\_\_\_

69. Is / are your site(s) operational?

Mark only one oval.

- Yes
- No

70. If so, in which year did your organisation first produce heat? Please state N/A if you have not commenced production

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71. What is the total capacity (kW) of your organisation's heat generation project(s)  
Please provide information as of December 2016

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72. How much energy have you produced since you commenced generation? (kWh)

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73. Please provide site details for all generating sites  
(i.e. Site 1 - technology, post code, generating capacity (kW))



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74. Please provide any extra details of your project

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. number of customers, number of turbines / solar panels, etc.). Please note that ownership models and investment information is asked in the following pages so these topics do not need to be discussed.

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Skip to question 84.

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## 15 Transport

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75. Please select the type of transport activities Mark only one oval.

- Electric vehicles Hydrogen
- vehicles Other:
- \_\_\_\_\_

76. Please

provide further details on your transport activities

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. number of electric vehicles, type of cycling training, etc.)

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Skip to question 84.

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## 16 Energy Storage

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77. Please select the type of energy storage Check all that apply.



- Hydrogen Storage
- Electrical Storage Other:
- \_\_\_\_\_

78. Please

provide further details on your energy storage activities

Please provide information that you think may be useful for CEE/CEW about your projects (e.g. size of storage, type of battery, etc.)

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Skip to question 84.

## 17 Energy Efficiency and Demand Management

79. What types of energy efficiency services do you provide?

Check all that apply.

- Energy audits Energy
- cafes
- Smart meters
- Energy switching
- Insulation
- Energy efficient lighting
- \_\_\_\_\_

Advice on energy efficient appliances Other:

80. Please detail the nature of the energy efficiency measures and services provided by your organisation. (no more than 500 words)

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81. How many members of your community have been provided with services or physical works?



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82. What type of support for energy efficiency measures does your organisation offer?

Check all that apply.

- Loans
- Grants Advice
- None of the above Other:
- \_\_\_\_\_

83. Do you measure the value of the energy efficiency works provided by your organisation? If so, how do you measure this and what value have you placed on your activity?

(e.g. Improved building energy ratings, reduced energy costs, reduction in energy bills)

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Skip to question 84.

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## 18 Secondary activity details: Part 2

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84. What ownership models do you use in connection with your secondary area of activity?

You may select more than one Check all that apply.

- Community Owned
- Community-Commercial Partnership
- Community-Public Partnership (Inc. partnerships with local authority)
- Unknown
- \_\_\_\_\_

Other:

85. If you have selected a partnership option, please detail the nature of the partnership. (e.g. 40% community : 60% commercial)



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86. Have you used any of the following Development Funding?  
Check all that apply.

- Community and Renewable Energy Scheme (CARES)
- Rural Community Energy Fund (RCEF)
- Urban Community Energy Fund (UCEF)
- Ynni'r fro Other: \_\_\_\_\_

87. Please state the values of each of the development funding types identified above. (e.g. CARES £10,000 ; UCEF £30,000)

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88. Please identify which investment type(s) have been utilised for the secondary area of activity  
Check all that apply.

- Community Shares
- Bonds / Debentures
- Loans
- Grants Other: \_\_\_\_\_

89. Please state the values of each of the investment types identified above.  
(e.g. Community Shares £400,000 ; Loan £500,000 from Cooperative Bank at 4% over 15 years)

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90. What is the total value of investment in the secondary activity to date? (£)



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91. Which support tariffs does your project use?

Check all that apply.

- Feed-in Tariff (FiT)
- Renewable Obligation Certificates (ROC)
- Renewable Heat Incentive (RHI)
- None \_\_\_\_\_

Other:

92. Was your organisation able to offer any tax reliefs when they were available?

(e.g. Enterprise investment Scheme (EIS), Seed Enterprise Investment Scheme (SEIS), Social Investment Tax relief (SITR), etc.)

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93. Do you want to save and return later or continue?

Please Note there are four steps: 1) Select 'Save and return later' 2) Select the submit button 3) Select 'Edit your response' 4) Save the web page URL for access at a later date Mark only one oval.

- Continue
- Save and return later   Stop filling out this form.

94. Do you have a project that is on hold or stalled?

Mark only one oval.

- Yes   Skip to question 95.
- No   Skip to question 97.

95. Please choose from the following list which areas explain what caused the stall?

Check all that apply.



- Finance - FiT
- Finance - Capital
- Skill base not sufficient
- Engineering issues
- Local opposition
- National oppositions
- Planning changes
- Attracting enough volunteers

Keeping existing volunteers motivated

96. Please describe in more detail the problems which stalled or has held up your activity

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## 19 Assessment of Community Benefits

97. If your organisation has a community benefit fund, what is the approximate value of it over the last 12 months?

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98. Do you expect this to increase, stay the same or decrease over the lifetime of the project(s)?

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99. How many years are left in your community benefit fund?



Four horizontal lines for text input.

100. Which of the following wider benefits are provided through your organisation's activities? Check all that apply.

- Grants
- Loans
- Donations
- Reduced electricity price
- Job creation
- Community asset purchase or development
- Initiatives to improve the local environment
- Education initiatives Reduction of fuel poverty Other: \_\_\_\_\_

101. Please give more details and any links to more information

Four horizontal lines for text input.

102. Would you like to save and return later or continue?

Please Note there are four steps: 1) Select 'Save and return later' 2) Select the submit button 3) Select 'Edit your response' 4) Save the web page URL for access at a later date Mark only one oval.

- Continue
- Save and return later Stop filling out this form.

## 20 Future Plans

103. Are you planning on undertaking new activity in 2017?

Mark only one oval.





- Yes
- No
- Maybe

104. Please add more details about your planned activities for the next 12 months.  
(e.g. feasibility work for new projects, solar PV, designing new outreach programmes etc)

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105. Please describe the organisation's plans over the next five years

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106. What type of support or policies do you think would help you to realise these aims?

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### Other activities

107. If your organisation takes part in any other activities that you have not told us about, please let us know about them.

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### You are Finished!

Thank you very much for completing this survey, your answers are highly valued. Your participation in this survey is very important as it will help to influence policy and support the continued development of the community energy sector in the UK.



The next steps for this research is to analyse your answers, feeding into a report to be launched in March. Findings and analysis from the report will be presented at key meetings and events. A copy of the report can be made available to you via email, which you can opt-in to receiving by clicking yes to the relevant question below.

Thank you once again, we wish you and your organisation all the best for the future.

108. Are you happy for CEE / CEW to contact you?

Mark only one oval.

Yes

No

109. Would you like to be sent an electronic copy of the final report?

Mark only one oval.

Yes

No

110. Would you be happy for CEE / CEW to upload information on name, location, sites, capacity and the brief description to the Community Energy Hub?

This will not include any financial information. For more info, see

[hub.communityenergyengland.org](http://hub.communityenergyengland.org) Mark

only one oval.

Yes

No

111. Would you be happy to be used as a more in depth case study within this research?

Mark only one oval.

Yes

No

112. Do you have any photos of your project that you would be happy for us to use within our report? Mark only one oval.

Yes

No

113. Is there any other additional information that you think would be useful for us to know about?



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