

Renewables Obligation

Annual Report 2020-21



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Executive Summary

The Renewables Obligation (RO) is a scheme that supports the deployment of large-scale renewable electricity generation in Great Britain (GB), and the deployment of large-scale, as well as smaller scale renewable electricity generation in Northern Ireland (NI). The scheme is governed by three separate, but similar pieces of legislation: The Renewables Obligation England and Wales, the Renewables Obligation Scotland (ROS) and the Northern Ireland Renewables Obligation (NIRO). Each obligation period, licensed electricity suppliers are required to present a specified number of Renewables Obligation Certificates (ROCs), in respect of each MWh of electricity supplied to customers. Those suppliers not presenting sufficient ROCs to fulfil their obligation are required to make a payment to cover the shortfall.¹ This report covers scheme activity during the 2020-21 obligation period (1 April 2020 – 31 March 2021).

ROCs issued and renewable generation

In 2020-21, we issued 109.25 million ROCs to renewable generating stations. This ROC issue represents 80.35 TWh of renewable electricity generation. This generation is a decrease of 5.4% from last year but mirrors a reduction in total UK electricity supply between 2019-20 and 2020-21, which fell by 5.8%. Consequently electricity generation under the RO rose to the equivalent of 31.2% of total electricity supplied in the UK during 2020-21. All technology types saw a decrease in ROC issue compared to 2019-20. The largest drop in ROCs issued was a 10.4% decrease to onshore wind installations. ROCs issued to Solar PV installations experienced the smallest drop, a decrease of 0.3%.

Biomass Sustainability

In the 2020-21 obligation period, 350 fuelled generating stations were required to report their biomass fuels against the land and greenhouse gas (GHG) emissions criteria, collectively known as the sustainability criteria.² Compliance with the sustainability criteria is a requirement for ROC issue for the 131 bioliquid and solid biomass or biogas stations greater than 1 MW Total Installed Capacity (TIC). Compliance with the sustainability criteria is not linked to ROC issue for the remaining 219 solid biomass and biogas stations that are smaller than 1 MW TIC.

¹ The buy-out price is the sum that suppliers must pay for each ROC not presented towards their obligation. [Link to buy-out price information for 2020-21](https://www.ofgem.gov.uk/publications/renewables-obligation-ro-buy-out-price-and-mutualisation-ceilings-2020-21): <https://www.ofgem.gov.uk/publications/renewables-obligation-ro-buy-out-price-and-mutualisation-ceilings-2020-21>

² [Link to information on the sustainability criteria](https://www.ofgem.gov.uk/environmental-programmes/ro/applicants/biomass-sustainability): <https://www.ofgem.gov.uk/environmental-programmes/ro/applicants/biomass-sustainability>

There were no fuel consignments that failed to meet the land use criteria during 2020-21. In total 49 consignments failed to meet the GHG emissions criteria in comparison to five during 2019-20. The increase in consignments not meeting GHG emissions criteria can be attributed to more stringent GHG emissions thresholds, which came into effect from 1 April 2020. However, the proportion failing to meet the criteria is very small against the total number of consignments reported during 2020-21.

Compliance by licensed suppliers

In 2020-21, suppliers presented 105.26 million ROCs towards the total UK obligation of 119.09 million ROCs. Each ROC was notionally worth £54.47, giving a scheme value of approximately £5.73 billion. Suppliers who do not meet their obligation through presenting ROCs by the deadline of 1 September are required to make up the shortfall by making payments into the buy-out fund no later than 31 August. Where this payment deadline is missed, suppliers have not met their obligations on time and are required to fulfil any remaining part of their obligation by paying into the late payment fund by 31 October. The payments collected resulted in £465.9 million being redistributed to eligible suppliers from the buy-out fund and late payment funds. This was substantially less than the £654.6 million redistributed in 2019-20.

Twenty-eight suppliers did not submit ROCs or make payments sufficient to meet their obligations. This resulted in a shortfall of £218.3 million (excluding interest) in the buy-out/late payment funds as of the late payment deadline of 31 October 2021. This resulted in mutualisation being triggered on the RO and ROS for the fourth successive year.

We also conduct supplier audits each year to ensure suppliers' internal processes are robust and to gain assurance on the accuracy of the electricity figures submitted to us. Of the four supplier audits conducted during 2020-21, three were rated either 'Good' or 'Satisfactory', with the remaining audit rated as 'Weak'.

Compliance of RO generators

The 2020-21 audit programme consisted of 83 targeted and 391 statistical generator audits being conducted on stations in the UK. This was the first year in which statistical audits have been conducted on the RO. Overall, 64% of targeted audits and 78% of statistical audits were rated as being either 'Weak' or 'Unsatisfactory'. A high level of non-compliance is expected for targeted audits as they focus on known risk areas. However, the proportion of statistical audits which earned the rating of 'Weak' was higher than expected. This predominantly occurred in audits of generating stations which were commissioned either before the commencement, or in the initial years, of the RO scheme. These stations were found to have additional challenges providing some of the required evidence, particularly in relation to commissioning.

In addition to the generator audits we also conducted three agent or 'rent-a-roof' company audits and all were rated either 'Good' or 'Satisfactory'.

A total of 48 participant compliance investigations were closed during 2020-21 with seven of these cases resulting in compliance action being taken. This included the withdrawal of accreditation for three generating stations. Two of these withdrawal decisions resulted in applications to the High Court for judicial review. Ofgem successfully defended one case. The applicant in the other case ultimately withdrew their application for judicial review.

Generators accredited

Although the Renewables Obligation scheme closed to new entrants on 31 March 2017, the number of accredited stations increased as the accreditation assessment of a number of stations with earlier accreditation dates concluded. On 28 October 2021 when data was extracted for this report, 26,599 stations had been accredited with a total generating capacity of 35.4 GW. This is an increase of 17 stations and a decrease of 43 MW capacity from the figures reported in the 2019-20 annual report. These figures are the net change in stations accredited and installed capacity. As well as stations being approved onto the scheme, the figures are affected by stations withdrawing from the scheme or the capacity of a station changing. This for example, could be due to the decommissioning of a wind turbine.

Feedback

We value your feedback on this report. Please contact us at SchemesReportingFeedback@ofgem.gov.uk with any comments or suggestions.

Associated documents

The annual reports for all previous obligation periods are published in the publications library:

[Link to Ofgem RO publications library](#)

<<https://www.ofgem.gov.uk/environmental-programmes/ro/contacts-publications-and-data/publications-library-renewables-obligation-ro>>

Up-to-date data on scheme activity is published on the public reports and data page within the RO section of the Ofgem website:

[Link to Ofgem RO public reports and data webpage](#)

<<https://www.ofgem.gov.uk/environmental-programmes/ro/contacts-publications-and-data/public-reports-and-data-ro>>

A variety of data reports are available to download from the Renewables and CHP Register:

[Link to the Renewables and CHP Register](#)

<<https://renewablesandchp.ofgem.gov.uk/>>

Information for generators accredited under the RO is available on our website:

[Link to information for generators](#)

<<https://www.ofgem.gov.uk/environmental-programmes/ro/applicants>>

Information for licensed UK electricity suppliers on how to comply with the RO is available on our website:

[Link to information for suppliers](#)

<<https://www.ofgem.gov.uk/environmental-programmes/renewables-obligation-ro/information-suppliers>>

The Renewables Obligation legislation which underpins the RO (England & Wales), ROS (Scotland) and NIRO (Northern Ireland) schemes can be viewed on the legislation.gov.uk website:

[Link to the RO section of the legislation.gov.uk website](#)

<<http://www.legislation.gov.uk/all?title=renewables%20obligation>>

Please note that a spreadsheet containing all the data used in the production of this report is published alongside the report on our website.

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Context

The Renewables Obligation (RO) is a scheme that supports the deployment of large-scale renewable electricity generation in Great Britain (GB), and the deployment of large-scale, as well as smaller scale renewable electricity generation in Northern Ireland (NI). The RO is designed to provide long term³ support for renewable electricity generators in the form of Renewables Obligation Certificates (ROCs), and requires that in each obligation period, licensed electricity suppliers present a specified number of ROCs in respect of each MWh of electricity supplied to customers. Those suppliers not presenting sufficient ROCs to fulfil their obligation are required to make a payment to cover the shortfall.⁴

The scheme was introduced in England, Wales and Scotland in 2002 and in Northern Ireland in 2005; and with some exceptions it closed to new generation capacity on 31 March 2017.⁵

There are three separate obligations across the UK: The Renewables Obligation England and Wales, the Renewables Obligation Scotland (ROS) and the Northern Ireland Renewables Obligation (NIRO). The scheme is governed by three separate, but similar, pieces of legislation, one for each obligation. These are known as the RO Orders (the Orders).

The Gas and Electricity Markets Authority (the Authority) is the statutory body responsible for administering the RO and ROS in Great Britain (GB). We also administer the NIRO on behalf of the Northern Ireland Authority for Utility Regulation (NIAUR); however, NIAUR retains the statutory responsibility for administering the NIRO. The Authority's day-to-day functions are performed by Ofgem, the office of the Authority.

The scheme obligation period runs annually from 1 April to 31 March. The obligation level for suppliers is announced before the start of each obligation period by the Department for Business, Energy and Industrial Strategy (BEIS) on behalf of the Secretary of State. The obligation level is set, based on a forecast of renewable electricity generation plus a headroom of 10%. This is intended to ensure demand for ROCs outstrips supply, thereby ensuring the value of ROCs is maintained and the scheme administration costs can be met from the buyout-fund.

³ Twenty years from the date of accreditation or until 31 March 2037, whichever is earlier - except for generators accredited before 26 June 2008 that are eligible to claim ROCs on generation that occurs until 31 March 2027.

⁴ The buy-out price is the sum that suppliers must pay for each ROC not presented towards their obligation. [Link to buy-out price information for 2020-21](https://www.ofgem.gov.uk/publications/renewables-obligation-ro-buy-out-price-and-mutualisation-ceilings-2020-21): <https://www.ofgem.gov.uk/publications/renewables-obligation-ro-buy-out-price-and-mutualisation-ceilings-2020-21>

⁵ [Link to information on the RO closure](https://www.ofgem.gov.uk/environmental-programmes/ro/about-ro/ro-closure): <https://www.ofgem.gov.uk/environmental-programmes/ro/about-ro/ro-closure>

During an obligation period, we issue eligible generating stations with ROCs for the renewable electricity they generate. ROCs are tradable, can be sold between parties and can be redeemed against any of the three separate obligations.

After the end of an obligation period, we confirm each supplier's obligation based on the amount of electricity it has supplied to customers in the countries (England and Wales, Scotland and/or Northern Ireland) in which it holds licences. We set this obligation as a specific number of ROCs. Suppliers must meet their obligations by presenting ROCs to us, making a payment per ROC into a buy-out fund, or through a combination of these. We then withdraw our scheme administration costs from the buy-out fund and redistribute the remaining buy-out payments to suppliers, in proportion to the number of ROCs they presented.

Responding to COVID-19

The COVID-19 pandemic has posed significant challenges across the energy industry. Generators experienced impacts such as site closures, disruptions to working patterns and delays to supply chains.

With the RO scheme being closed to all new generating capacity, no specific COVID-19 measures were required to support applicants. However, we did make adjustments to our audit programme, and due to staff working from home, the way we handled enquires.

Audit Programme

Due to restrictions during the COVID-19 pandemic audits were conducted remotely where appropriate. In cases where we had concerns relating to the onsite configuration of the generating station, we postponed the audit until a site visit was possible.

For micro-NIRO installations, where a significant portion are located within domestic properties, it was determined that on-site audits would not be feasible. As such, 105 audits were postponed and are scheduled for 2022-23.

Enquiries

As part of our response to COVID-19 and the transition to our staff working from home, we reduced our phone line availability to two hours per day in March 2020. This increased to three hours in May, and then six hours in November. These changes led to an increase in email enquiries as a more accessible means of contact for participants.

1. Introduction

1.1 The Orders require us to produce an annual report on the scheme by 1 April following the end of an obligation period. This report fulfils this duty covering the 2020-21 obligation period (1 April 2020 to 31 March 2021). The Orders⁶ state the minimum information the report must include:

- Details of the compliance of each obligated electricity supplier, including the ROCs they presented, payments they made and our redistribution of these payments.
- The number of ROCs we issued, broken down by generation technology.
- Details of any mutualisation triggered (not applicable for the NIRO).
- The outcome of any investigations we conducted into suppliers' and generators' compliance with the Orders.

1.2 We can also publish "any other matter" that we consider relevant in the report. As such we have included information on the number and type of stations we have accredited, the amount of renewable generation for which ROCs were claimed, biomass sustainability, the value of the scheme, recent and upcoming changes in legislation and improvements we have made to the administration of the scheme.

Points to note

1.3 Unless it is clear from the context, 'RO' refers to the three UK obligations – the RO England and Wales, the ROS and the NIRO – collectively. Similarly, 'ROC' usually refers collectively to England and Wales ROCs (ROCs), Scottish ROCs (SROCs) and Northern Ireland ROCs (NIROCs).

1.4 Although there are three buy-out funds and three late payment funds for the RO (one for each obligation), where we refer to the 'buy-out fund' or 'late-payment fund' without specifying the obligation, this refers to all three collectively.

1.5 When referring to 'we' in the report this means 'Ofgem' or 'the Authority'.

1.6 The data included in this report was extracted from the Renewables and CHP Register (the Register) on 28 October 2021.⁷ This date allowed production of the report to commence once the late payment deadline of 31 October had passed and activities in

⁶ Article 86(1)(f) of the RO, Article 57(1)(f) of the ROS and Article 49(1)(e) of the NIRO list the requirements for the annual report.

⁷ For information on extracting data from the Register public reports please refer to Appendix 4.

relation to the 2020-21 RO compliance period were predominantly complete. The data stored in the Register is live data and subject to change. For example, a station's accreditation details might be amended, or the number of ROCs issued/revoked might change. As such, data downloaded from the Register at a later date may vary from those used in this report, although minimal change would be expected given the time that has elapsed since the end of the RO year.

- 1.7 The data used to produce the charts and tables presented has been published alongside this report on our website.
- 1.8 If you have any questions about the content of this report, please let us know by emailing SchemesReportingFeedback@ofgem.gov.uk.

2. ROCs issued and renewable generation

Chapter summary

In 2020-21, we issued 109.3 million ROCs to renewable generating stations. This ROC issue represents 80.3 TWh of renewable electricity generation. This generation is a decrease of 5.4% from last year but mirrors a reduction in total UK electricity supply between 2019-20 and 2020-21, which fell by 5.8%. Consequently electricity generation under the RO rose to the equivalent of 31.2% of total electricity supplied in the UK during 2020-21. All technology types saw a decrease in ROC issue compared to 2019-20. The largest drop in ROCs issued was a 10.4% decrease to onshore wind installations. ROCs issued to Solar PV installations experienced the smallest drop, a decrease of 0.3%.

ROCs issued and renewable generation in 2020-21⁸

2.1 The 2020-21 year saw a decrease in the amount of renewable electricity generated, which is in line with a fall in total UK electricity supply over the same period. This resulted in a decrease in the number of certificates issued, which fell by 4.8% compared to 2019-20. Renewable generation on the RO was equivalent to 31.2% of the electricity supplied in the UK. This rises to 43.6% when including generation from the Feed-in Tariff (FIT)⁹ and Contracts for difference (CfD)¹⁰ schemes, an increase of 2.3% percentage points compared to the 2019-20 year. The exact figures for 2020-21 and the percentage change from previous years are shown in **Table 2.1**.

⁸ The data for 2020-21 used in this chapter was downloaded from the Renewables and CHP Register on 28 October 2021. For more information on extracting data from the public reports please refer to Appendix 4.

⁹ [Link to information on the FIT scheme](https://www.ofgem.gov.uk/fits): <<https://www.ofgem.gov.uk/fits>>

¹⁰ [Link to information on the CfD scheme](https://www.lowcarboncontracts.uk/contracts-for-difference-cfd): <<https://www.lowcarboncontracts.uk/contracts-for-difference-cfd>>

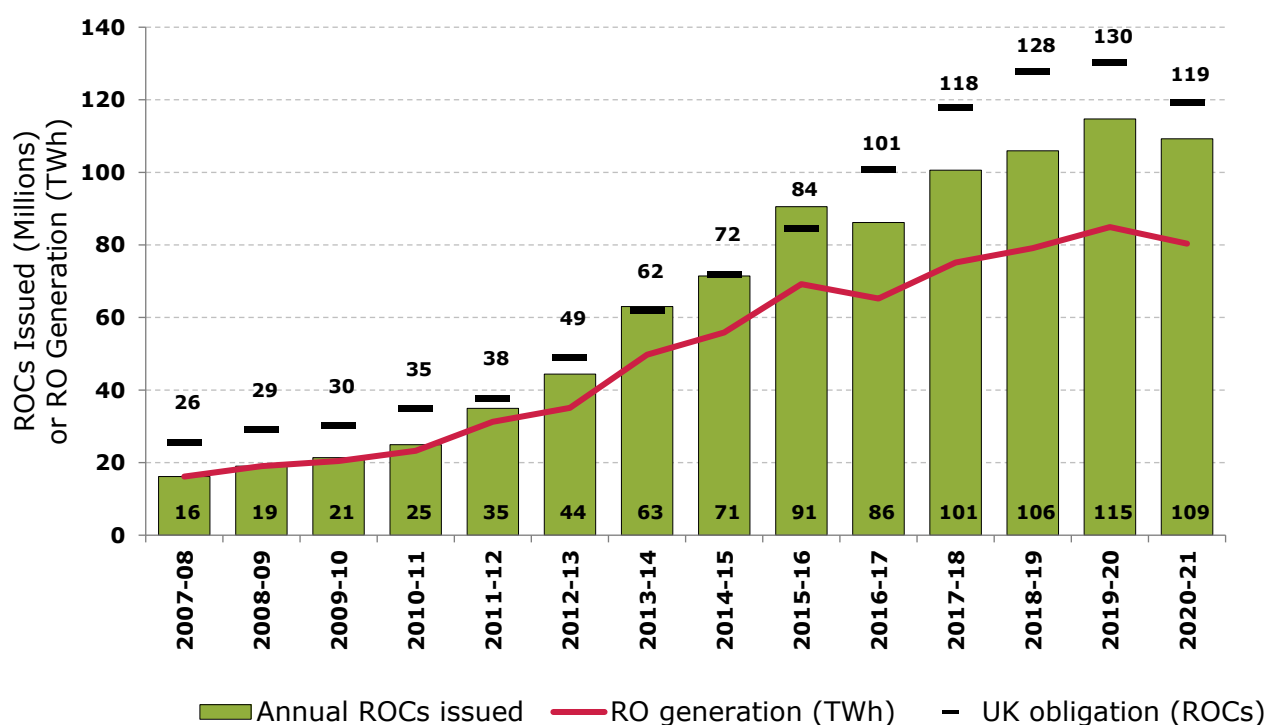
Table 2.1 Comparison of ROCs issued from 2018-19 to 2020-21

	2020-21	Change from 2019-20	Change from 2018-19
Total number of ROCs issued	109,252,882	-4.8%	+3.1%
Associated renewable generation (MWh)	80,348,926	-5.4%	+1.6%
Total UK electricity supply (MWh)	257,305,538	-6.0%	-7.2%
RO renewable generation as a proportion of electricity supply*	31.2%	+0.2pp**	+2.7pp**
Renewable generation including FIT & CfD (MWh)	112,147,911	-0.6%	+12.5%
Renewable generation (including FIT & CfD) as a proportion of electricity supply*	43.6%	+2.3pp**	+7.7pp**

* These figures include generation not exported to the grid. This generation is not captured within the total electricity supply figure; therefore these figures are only representative.

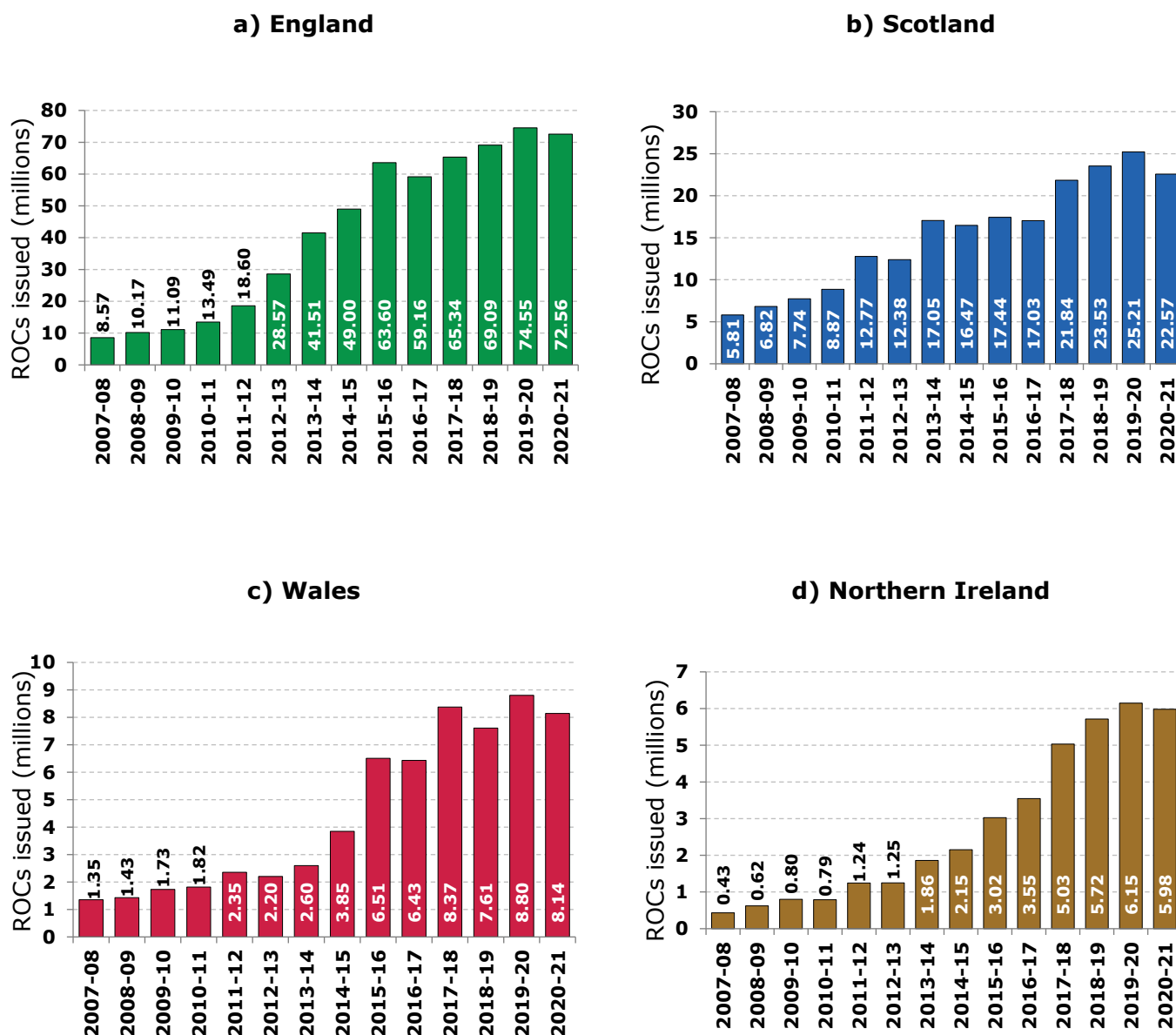
** pp – Percentage points

2.2 The UK obligation for 2020-21 was 119.1 million ROCs. As shown in **Figure 2.1** there was a shortfall of approximately 9.8 million ROCs issued for the year. This compares to a 15.5 million shortfall for the previous obligation year. As a proportion, the shortfall was 8.3% of the obligation for 2020-21, compared with 11.9% for 2019-20.

Figure 2.1: ROCs issued, obligation (ROCs) and renewable generation since 2007-08

2.3 **Figure 2.2** below shows the number of ROCs issued by country, annually from 2007-08 to 2020-21.

Figure 2.2 (a-d): ROCs issued by country, 2007-08 to 2020-21

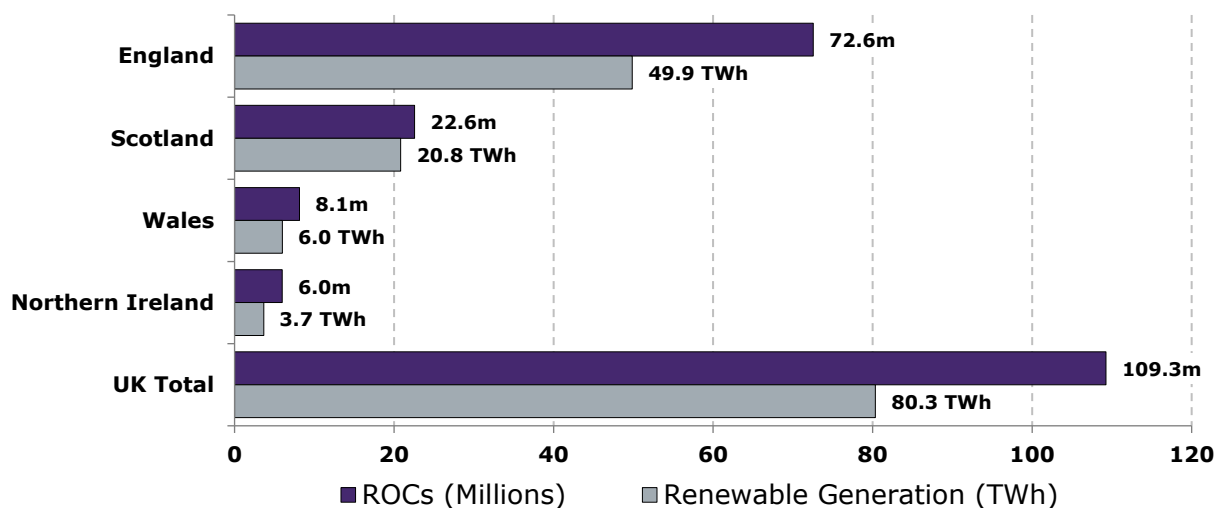


2.4 Since the introduction of banding in 2009, different ROC rates per MWh of generation have been available for different technology types and in some cases stations of different capacities. Most of the installations accredited at higher ROC rates are in Northern Ireland; although this is largely due to microgeneration which is not a factor elsewhere in the UK due to the presence of the FIT scheme.¹¹ England also had ROCs issued per MWh above the UK average, while in Scotland and Wales most capacity is associated with

¹¹ In GB, wind, solar PV, hydro and anaerobic digestion (AD) stations with a DNC of 50kW or less (micro generators) are ineligible under the RO and are supported through the FIT scheme. The FIT scheme does not exist in NI where micro generators are supported under the NIRO.

technologies that receive lower ROC rates. **Figure 2.3** shows the comparative volumes of generation and ROC issue in the different parts of the UK.

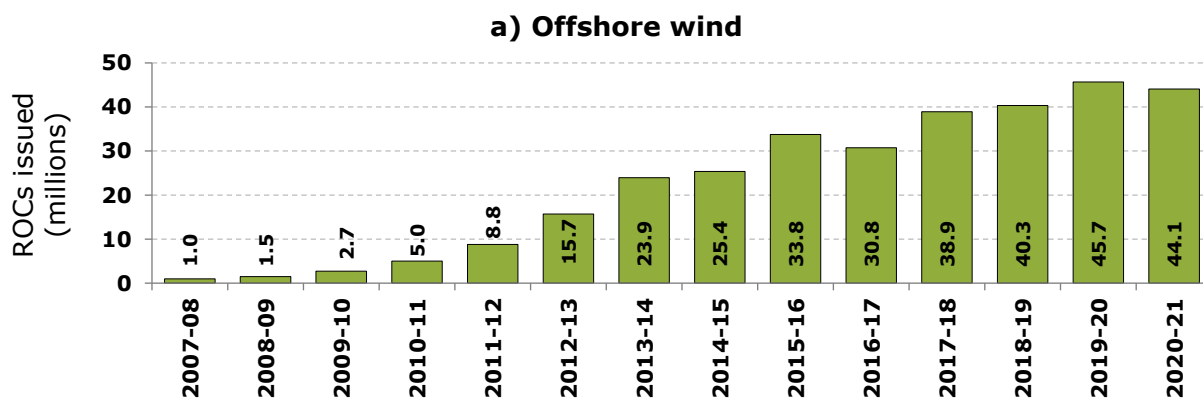
Figure 2.3: ROCs issued and renewable generation by country for 2020-21



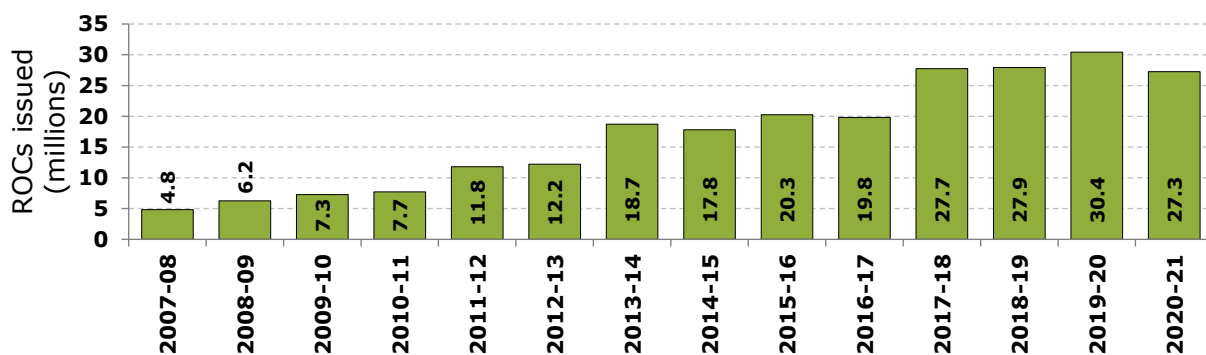
Technologies

2.5 **Figure 2.4** shows the number of ROCs issued to different technologies each obligation period since April 2007. The total number of ROCs issued each obligation period can be seen in **Figure 2.1**. Compared to 2019-20, all technology types saw a decrease; the largest percentage drop in ROCs issued was a 10.4% decrease to onshore wind installations. ROCs issued to Solar PV installations experienced the smallest drop, a decrease of 0.3%.

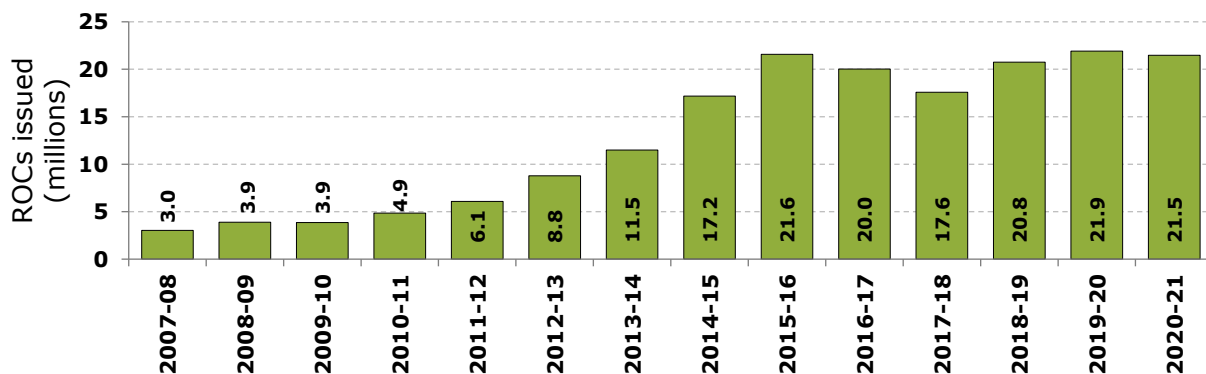
Figure 2.4 (a-g): Issue of ROCs by generation technology since 2007-08



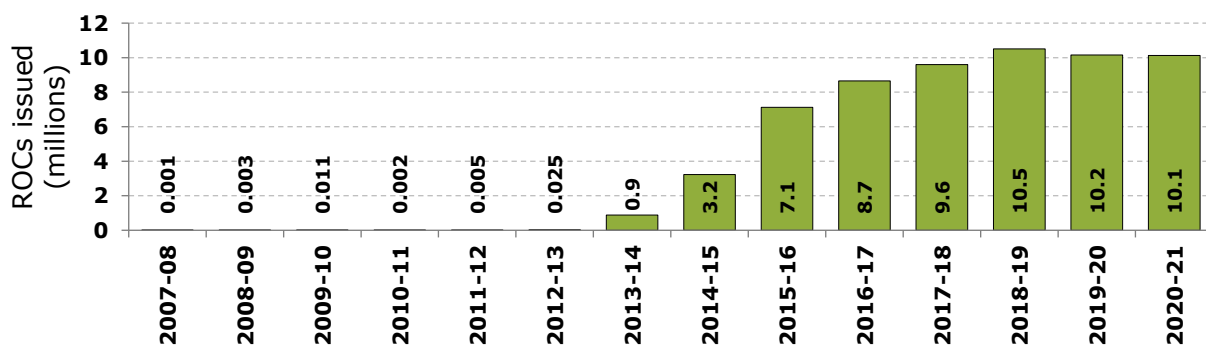
b) Onshore wind



c) Fuelled

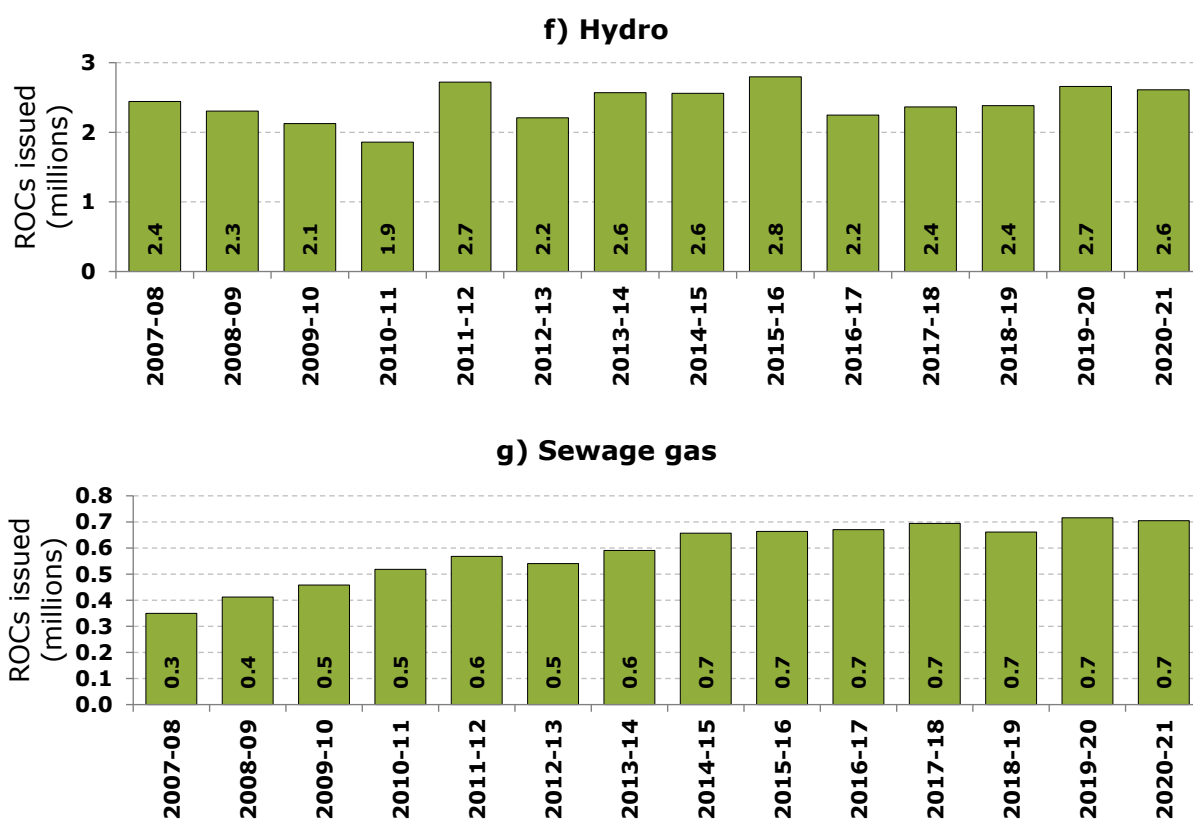


d) Solar PV



e) Landfill gas





2.6 **Table 2.2** gives a more detailed breakdown of ROC issue by technology and country for 2020-21. In terms of ROCs issued, England issued the highest number for offshore wind, fuelled, solar PV and landfill gas. Whereas in Scotland, ROC issue to onshore wind, tidal and hydro stations was higher than elsewhere in the UK. These figures reflect the capacity of each technology installed in each country.

Table 2.2: ROCs issued in 2020-21 by technology and country

Technology	England	Scotland	Wales	Northern Ireland	Total
Offshore wind	37,814,333	2,264,066	4,004,940	0	44,083,339
Onshore wind	5,959,215	15,122,851	2,445,110	3,739,103	27,266,279
Fuelled	16,844,037	2,397,402	664,049	1,575,414	21,480,902
Solar PV	8,737,422	55,047	770,567	562,654	10,125,690
Landfill gas	2,496,508	308,950	76,716	50,322	2,932,496
Hydro	64,826	2,345,323	147,121	53,314	2,610,584
Sewage gas	641,666	31,560	31,711	0	704,937
Tidal power	0	48,655	0	0	48,655
Total	72,558,007	22,573,854	8,140,214	5,980,807	109,252,882

Revoked and retired ROCs

- 2.7 ROCs can be revoked if, for example, we find that the number initially issued was incorrect. We may identify such errors through reviews of data submitted to us, audits of generating stations (see Chapter 5), or where the generator notifies us of an error. This year we revoked 24,922 ROCs from 49 stations, which were issued in respect of the 2020-21 obligation year. The station with the most ROCs revoked accounted for 32% of that total, and the top five accounted for almost 80% of all ROCs revoked. This total is similar to the 27,076 ROCs revoked in 2019-20. The figure can vary considerably from year to year as it is largely dependent on submission errors made by generators. These errors are commonly identified through our audit programme, data validation processes, or after being reported by the generator in question.
- 2.8 We are unable to revoke ROCs if a supplier has already presented them to us for compliance. In this situation, we must withhold an equivalent number of ROCs from being issued to the station in the future.¹² This year, following compliance investigations a total of 66,873 ROCs were withheld from 41 generating stations. This compares to the 2,994 ROCs from 10 stations withheld in 2019-20. For further information on our compliance investigations please refer to Chapter 5.
- 2.9 The registered holder of a ROC may voluntarily retire it on the Register at any time. After retirement it can no longer be used for RO compliance. A registered holder may retire a ROC for a number of reasons, for example if they can no longer use it towards their obligation because it has already expired. This year, 524 ROCs were retired from five generating stations.

¹² Article 25 of the RO, 41A of the ROS and article 37A of the NIRO

3. Biomass sustainability

Chapter summary

In the 2020-21 obligation period, 350 fuelled generating stations were required to report their biomass fuels against the land and greenhouse gas emissions criteria, collectively known as the sustainability criteria. Compliance with the sustainability criteria is a requirement for ROC issue for the 131 bioliquid and solid biomass or biogas¹³ stations greater than 1 MW Total Installed Capacity (TIC). Compliance with the sustainability criteria is not linked to ROC issue for the remaining 219 solid biomass and biogas stations smaller than 1 MW TIC. The analysis in this chapter is based upon the data provided by these stations as part of their monthly and annual reporting requirements.

Sustainability Criteria

- 3.1 All bioliquid stations, and solid biomass and/or biogas (gasification or anaerobic digestion stations) with a TIC greater than or equal to 1 MW must report against and meet sustainability criteria to be eligible for ROCs. Solid biomass and/or biogas stations with a TIC less than 1 MW are required to report against the sustainability criteria but receiving ROCs does not depend on meeting the criteria.
- 3.2 There are two parts to the sustainability criteria:
- **Land criteria**, which focuses on the land from which the biomass is sourced.
 - **Greenhouse gas (GHG) criteria**, which account for the life cycle GHG emissions of the biomass.
- 3.3 To comply the following requirements must be met:
- **Land and GHG data**. For all bioliquid stations and stations with a TIC greater than or equal to 1 MW using solid biomass and/or biogas fuels - land use and GHG emission information is submitted monthly. For these stations both the land and GHG criteria must be met to be eligible for support. For stations with a TIC less than 1 MW using solid biomass and/or biogas this information is reported annually and does not link to ROC issue.

¹³ For biogas, please refer to the parts of the chapter covering gasification and anaerobic digestion.

- **Annual profiling data.** This is information submitted by the operator regarding the sustainability characteristics of their fuel. This includes information such as: the type of biomass, the form of biomass (solid/liquid), country of origin and whether it was wood or derived from wood. All fuelled stations with a declared net capacity (DNC) greater than 50 kW are required to provide this information. ROC issue is suspended for stations that fail to submit profiling data or fail to meet the required standard.
- **Annual Sustainability Audit Report.** This is an independent audit report commissioned by all generating stations using bioliquid fuels and stations with a TIC greater than or equal to 1 MW, using solid biomass and/or biogas fuels. The aim of the audit is to verify the monthly sustainability information that has been submitted by the operator.

3.4 The information in this chapter is based on the data provided by the operators of fuelled stations as part of their monthly and annual reporting requirements. There are a number of stations that have not yet been granted RO accreditation but will be eligible to receive ROCs for generation in the 2020-21 obligation period if accredited. It is important to note that this chapter only includes the information for stations that have been granted accreditation and had their sustainability information approved at the time of writing.¹⁴

3.5 Some annual sustainability information has not yet been approved and therefore this information may be subject to change. For comparisons to be made¹⁵, the 'Renewables Obligation: Annual Report 2018-19'¹⁶, 'Renewables Obligation: Annual Report 2019-20'¹⁷ and associated Sustainability Datasets¹⁸ were utilised.

¹⁴ Correct as of 1 March 2022.

¹⁵ The 2018-19 and 2019-20 Biomass Sustainability Datasets and Annual Reports have been utilised for comparison purposes only and may not contain information for stations that were granted accreditation after the reports were written.

¹⁶ [See our 'Annual Report 2018-19' here:](https://www.ofgem.gov.uk/publications/renewables-obligation-ro-annual-report-2018-19)

<<https://www.ofgem.gov.uk/publications/renewables-obligation-ro-annual-report-2018-19>>

¹⁷ [See our 'Annual Report 2019-20' here:](https://www.ofgem.gov.uk/publications/renewables-obligation-ro-annual-report-2019-20)

<<https://www.ofgem.gov.uk/publications/renewables-obligation-ro-annual-report-2019-20>>

¹⁸ [See our '2018-19 Biomass Sustainability Dataset' here:](https://www.ofgem.gov.uk/publications/biomass-sustainability-dataset-2018-19)

<<https://www.ofgem.gov.uk/publications/biomass-sustainability-dataset-2018-19>> and

[see our '2019-20 Biomass Sustainability Dataset' here:](https://www.ofgem.gov.uk/publications/biomass-sustainability-dataset-2019-20)

<<https://www.ofgem.gov.uk/publications/biomass-sustainability-dataset-2019-20>>

- 3.6 Additional information on the sustainability requirements can be found in the 'Renewables Obligation: Sustainability Criteria Guidance' and 'Renewables Obligation: Sustainability Reporting Guidance' available on our website.¹⁹

Performance Summary

- 3.7 Of the 131 stations required to submit an annual sustainability audit report, 124 were presented to us in 2020-21. Of the reports submitted, 121 were of an adequate standard. There were three reports that have not met the required standard and a further seven accredited RO stations that have not yet presented an audit report. We have suspended the ROCs issue to these ten stations as a result.
- 3.8 The 219 stations not required to provide an annual sustainability report are still required to provide an annual profiling dataset. Of these, operators presented 208 profiling datasets to us in 2020-21. Of the datasets submitted, 203 were of an adequate standard and five have not met the required standard. The remaining 11 RO stations have not at the time of writing presented profiling data. We have suspended ROC issue where the datasets have not met the required standard or have not been submitted.
- 3.9 In total, 324 stations reported against the sustainability criteria. Information on the compliance of their fuel consignments, against the GHG and land use criteria can be seen in **Table 3.1**. There are two generating stations that use both solid biomass fuels and bioliquid fuels. The consignments used by these stations appear in each relevant section.
- 3.10 There were 30 bioliquid consignments, 16 anaerobic digestion (AD) consignments, two solid biomass consignments and one gasification consignment, which did not meet the GHG emissions criteria. This is a significant rise in consignments not meeting the criteria when compared to 2019-20, when three bioliquid and two AD consignments did not meet the GHG threshold. The increase in consignments not meeting GHG emissions criteria can be attributed to more stringent GHG emissions thresholds, effective from 1 April 2020.

¹⁹ [Link to Sustainability Criteria Guidance:](https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-sustainability-criteria) <https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-sustainability-criteria> and [Link to Sustainability Reporting Guidance:](https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-sustainability-reporting) <https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-sustainability-reporting>

Table 3.1: Consignments²⁰ reported by stations against the sustainability criteria, split by technology type and capacity²¹

Meets the criteria	Gasification stations		AD stations		Solid biomass stations		Bioliqid stations
	<1 MW	≥1 MW	<1 MW	≥1 MW	<1 MW	≥1 MW	
Land - Yes	65	12	166	248	19	1,354	24
Land - No	0	0	0	0	0	0	0
Land - Exempt	0	51	285	1,138	13	745	378
Land - Unknown ²²	0	0	24	0	0	0	0
GHG - Yes	55	12	64	410	17	1,533	372
GHG - No	1	0	3	13	0	2	30
GHG - Exempt	0	51	268	963	14	564	0
GHG - Unknown ³³	9	0	140	0	1	0	0

N.B. The number of consignments reported varies between stations.

3.11 The average life cycle GHG emissions for the biomass used is shown in **Table 3.2**, split by technology type. For bioliquids, the GHG criteria is based on a percentage emission saving against the fossil fuel comparator.²³ During 2020-21 there was a reduction in the weighted average GHG emission for solid biomass and anaerobic digestion consignments. However, GHG emissions from gasification stations rose by over 10% and those from bioliqid stations also rose, leading to fall in emissions savings of almost two percentage points.

Table 3.2: Weighted average GHG emission figures and thresholds by technology type

	Gasification Stations (gGHG/MJ)	AD Stations (gGHG/MJ)	Solid Biomass Stations (gGHG/MJ)	Bioliqid Stations (% savings)
2018-19	24.35	38.31	26.71	89.88%
2019-20	22.55	31.15	23.57	90.86%
2020-21	24.90	29.66	20.59	88.95%
Threshold Target	55.6	55.6	55.6	50% ³⁸
Threshold Ceiling	75	75	75 ²⁴	50% ²⁵

²⁰ Where we refer to a consignment in the context of stations greater than or equal to 1 MW, this refers to a single consignment submission for one month. For stations less than 1 MW, this is just reported once in the year.

²¹ Consignments are split by capacity, as well as technology type, to differentiate between the different reporting requirements.

²² Solid biomass and biogas stations with a TIC less than 1 MW can report unknown as ROC issue is not linked to the sustainability criteria.

²³ The fossil fuel comparator is specified in Paragraph 19, Annex V, Part C of the Renewable Electricity Directive as 91gCO₂e/MJ.

²⁴ For solid biomass and biogas stations, the GHG criteria can be met in one of two ways. Either the emission is less than the relevant target or it is based on an annual average rather than an individual consignment basis. This means that the GHG criteria is met if the GHG emissions from its use are less than or equal to the relevant ceiling and that in an obligation year, the average GHG emissions are less than or equal to the relevant target.

²⁵ From 1 January 2018, any consignment of bioliqid produced by an installation that first started producing liquid fuel from biomaterial before 6 October 2015 is required to meet the current GHG threshold of 50%. Any consignment of bioliqid produced by an installation that first started producing liquid fuel from biomaterial on or after 6 October 2015 is required to meet a GHG threshold of 60%.

Feedstock/fuel types

3.12 **Gasification**²⁶ - The 68 stations that reported against the sustainability criteria burnt 1,055.82 million m³ of syngas²⁷ in 2020-21; a 267.57 million m³ decrease compared to 2019-20. As shown in **Figure 3.1** all gasification consignments were derived from woody biomass; 79.59% of syngas burnt was derived from waste wood²⁸, which is an increase of 3.69% when compared to 2019-20.

Figure 3.1: Type of feedstocks used (by volume of gas burnt) in gasification stations



3.13 **Anaerobic digestion** - The 162 stations that reported against the sustainability criteria burnt 752.11 million m³ of biogas in 2020-21;²⁹ a 226.92 million m³ increase compared to 2019-20. As shown in **Figure 3.2**, silage³⁰, municipal waste and food, garden and plant waste made the largest contributions. Manures and slurries, crops, brewery and distillery waste and dissolved air flotation (DAF) sludge/waste water and 'other' complete the remaining proportion. The 'other' consignments consist of dairy waste, glycerol, blood and viscera, biodegradable waste, fishery wastes, tallow and fats and oils.

²⁶ Gasification converts fuel into a synthetic gas by partial combustion. This can then be used in a generating station. 'Gasification' is defined in Article 2 of the ROO (as amended), ROS 2009 (as amended) and NIRO 2009 (as amended).

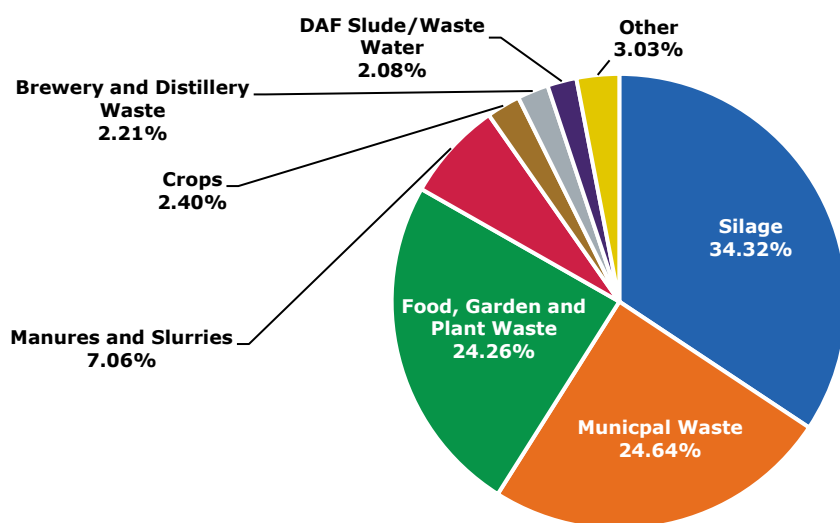
²⁷ Syngas or synthetic gas is produced from gasification and is a form of biogas.

²⁸ For consignments derived from waste, operators of generating stations do not need to complete the woody biomass section of the profiling data.

²⁹ There are a number of stations whose fuel measurement and sampling procedures do not require them to keep records of individual feedstocks, and so report a mixture on their profiling data.

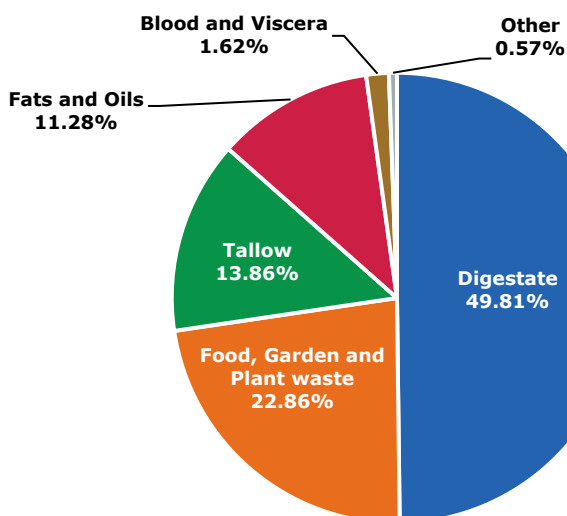
³⁰ Feedstock made from green foliage crops which have been preserved through a process of anaerobic fermentation.

Figure 3.2: Type of feedstocks used (by volume of gas burnt) in anaerobic digestion stations



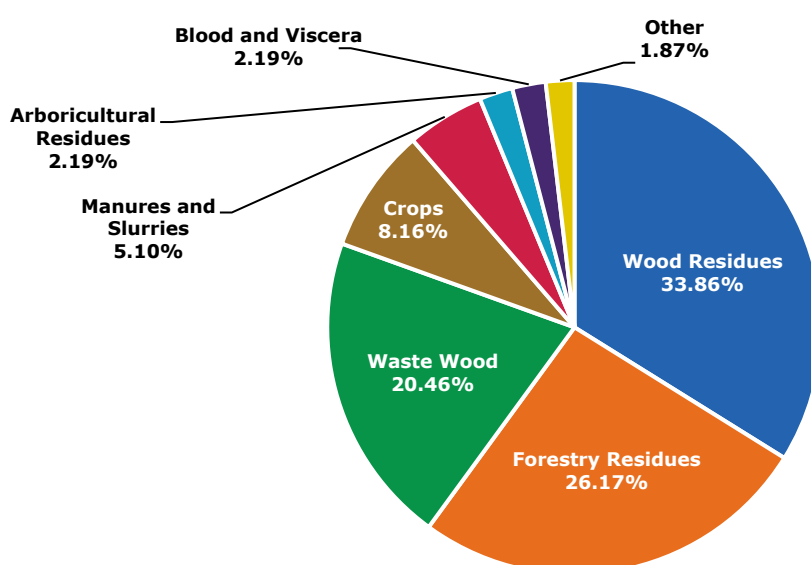
3.14 **Bioliqid** - The 28 bioliqid stations that reported against the sustainability criteria burnt 108.8 million litres of bioliqid consignments in 2020-21; a 25.4 million litre decrease compared to 2019-20. As shown in **Figure 3.3**, digestate made up 49.81% of this biomass; food, garden and plant waste made up 22.86%, and tallow 13.86%. Fats and oils, blood and viscera, fishery waste, dairy waste and DAF sludge/waste water complete the remaining proportion. Compared with 2019-20, this shows an increase in the proportion of digestate and a significant decrease in the use of blood and viscera.

Figure 3.3: Type of bioliqid used in bioliqid stations



3.15 **Solid biomass** - The 68 stations that reported solid biomass consignments burnt 11.73 million tonnes in 2020-21; a 0.04 million tonnes increase compared to 2019-20. As shown in **Figure 3.4**, the greatest contributions to this total were from woody residues, which make up 33.86%, followed by forestry residues at 26.17% and waste wood at 20.46%. Around 83.65% of solid biomass used in 2020-21 was of woody origin, including arboricultural residues and wood products. Crops, manures and slurries, blood and viscera and 'other' complete the remaining proportion. The 'other' feedstocks include wood products, DAF sludge/waste water, brewery and distillery waste, food, garden and plant waste, and digestate.

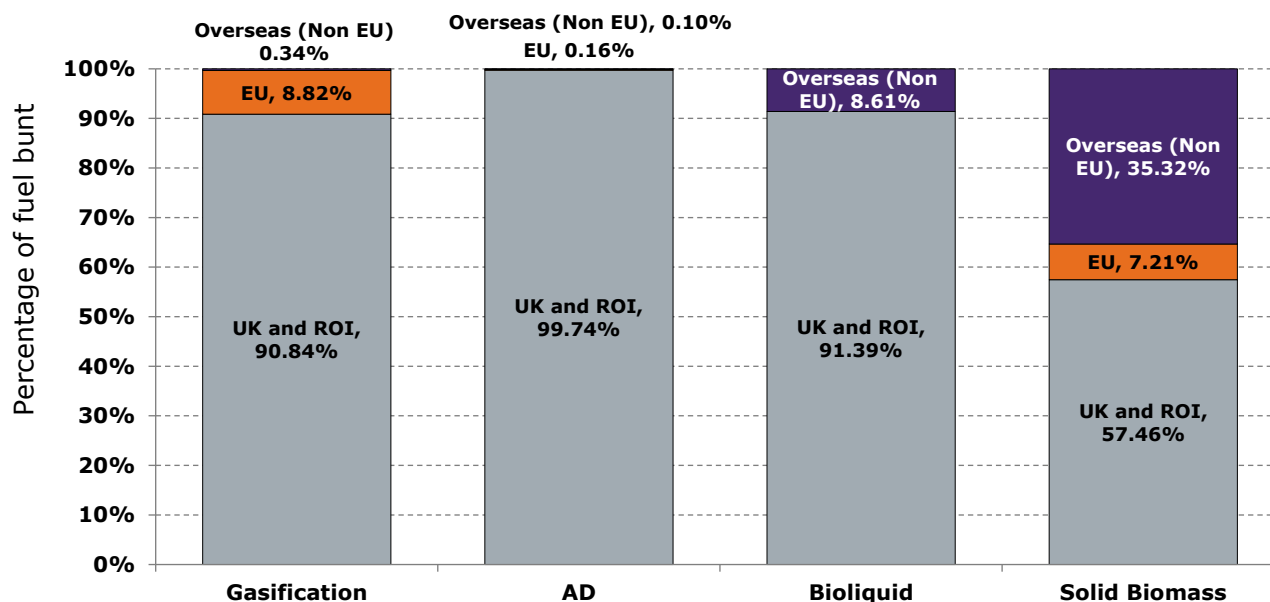
Figure 3.4: Type of solid biomass used in direct combustion stations



Country of origin

3.16 As shown in **Figure 3.5**, during 2020-21 gasification and anaerobic digestion consignments were almost wholly sourced within UK and ROI.³¹ The portion of Bioliquids sourced from overseas (non-EU) continued to increase, reaching 8.60% in 2020-21. Solid biomass stations are the only type to have significant proportions of consignments sourced from outside the UK and ROI.

³¹ For the purposes of comparison with previous year's datasets, consignments from the UK and ROI have been grouped.

Figure 3.5: The origin of fuels used for fuelled generating stations during 2020-21

3.17 Gasification stations utilised 1,055.82 million m³ of syngas in 2020-21. Syngas from sources within UK and ROI accounted for 90.84%, with 8.82% coming from the EU and 0.34% being sourced from overseas (non-EU). The proportion of syngas derived from EU consignments has increase by 8.81% when compared to 2019-20. Two consignments of wood pellets were sourced from Russia, and two consignments of waste wood came from France and the Netherlands. These are the only consignments to be sourced from outside UK and ROI and EU.

3.18 Anaerobic digestion stations used 752.11 million m³ of biogas in 2020-21, 99.74% of which was produced using feedstocks sourced within UK and ROI, 0.16% EU, and 0.1% overseas (non-EU). This is consistent with the previous obligation periods. Outside the UK and ROI, feedstocks were sourced from five EU countries (France, Netherlands, Poland, Sweden, Romania) and six Overseas (Non-EU) countries, consisting of Belarus, Belize, Canada, Guatemala, India and USA.

3.19 Bioliqumid stations used 108.8 million litres of bioliqumid in 2020-21, 91.39% of this bioliqumid was sourced within UK and ROI and 8.61% from overseas (non-EU). Outside the UK and ROI, bioliqumid was sourced from Brazil and Canada. The proportion of bioliqumid from overseas (non-EU) has increased since 2019-20 where it only accounted for 2.1% of bioliqumids used.

3.20 Solid biomass stations burnt via direct combustion 11.73 million tonnes of solid biomass. There has been a slight increase in the quantity (6.74 million tonnes), but a slight decrease in the proportion (57.46%) of biomass that was grown or obtained within the

UK and ROI. The quantity of biomass sourced overseas (non-EU) countries (Belarus, Brazil, Canada, Norway, Russia, Ukraine & USA), also fell slightly (4.14 million tonnes) but the proportion remained more or less consistent at 35.32%. When looking at solid biomass sourced from within the EU (Belgium, Estonia, Finland, France, Germany, Italy, Latvia, Lithuania, Netherlands, Poland, Portugal, Spain and Sweden) both the quantity (846 thousand tonnes) and proportion (7.21%) have increased since 2019-20.

4. Compliance by licensed suppliers

Chapter summary

In 2020-21, suppliers presented 105.26 million ROCs towards the total UK obligation of 119.09 million ROCs.³² Those suppliers who did not meet their obligation through presenting ROCs by the deadline of 1 September 2021 were required to make up the shortfall by making payments into the buy-out fund no later than 31 August 2021. Where this payment deadline was missed, suppliers had not met their obligations on time and were required to fulfil any remaining part of their obligation by paying into the late payment fund by 31 October 2021. The payments collected resulted in £465.9 million being redistributed to eligible suppliers from the buy-out fund and late payment fund. This was substantially less than the £654.6 million redistributed in 2019-20. Each ROC was notionally worth £54.47, giving a scheme value of approximately £5.73 billion.

As of the late payment deadline of 31 October 2021, 28 suppliers had not met their obligations, resulting in a shortfall of £218.3 million (excluding interest) in the buy-out and late payment funds. This resulted in mutualisation being triggered on the RO and ROS for the fourth successive year.³³

Supplier Obligation

4.1 The obligation level is set by the Secretary of State and published by BEIS six months before each obligation period begins.³⁴ On 1 September 2019, BEIS announced the 2020-21 obligation level applicable for suppliers as detailed in **Table 4.1** below.³⁵

Table 4.1: Obligation levels 2020-21

	England & Wales (RO)	Scotland (ROS)	Northern Ireland (NIRO)
Obligation level (ROCs to present per MWh supplied to customers)	0.471	0.471	0.185

³² [Link to information on ROCs presented and redistribution of Buy-Out Fund 2020-21:](https://www.ofgem.gov.uk/publications/renewables-obligation-rocs-presented-and-redistribution-buy-out-fund-2020-21)

<<https://www.ofgem.gov.uk/publications/renewables-obligation-rocs-presented-and-redistribution-buy-out-fund-2020-21>>

³³ Threshold to trigger mutualisation is £15.4m for England and Wales, and £1.54m for Scotland.

³⁴ Articles 12 of the NIRO and ROS 2009 Orders and article 13 of the RO 2015 Order define the calculations used to set the obligation.

³⁵ [Link to RO obligation level calculation for 2020-21:](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/834055/renewable-obligation-calculating-level-2020-2021.pdf)

<https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/834055/renewable-obligation-calculating-level-2020-2021.pdf>

- 4.2 The obligation level by RO jurisdiction³⁶ (expressed as the number of ROCs to be presented for each MWh of electricity supplied) is used by Ofgem to calculate the total UK obligation:

$$\text{Obligation level by RO jurisdiction} \times \text{Electricity supplied per jurisdiction}^{37}$$

- 4.3 In 2020-21, the overall supply was calculated as 249.96 TWh to customers in GB and 7.34 TWh in NI. Using the 2020-21 obligation levels and the 2020-21 electricity supplied figures, this gave a total UK obligation of 119.09 million ROCs. This is a decrease of 11.09 million ROCs (8.5%) from the total UK obligation level of 130.18 million ROCs in 2019-20.
- 4.4 We set the buy-out price before each obligation period by taking the buy-out price from the previous obligation period and adjusting it in line with the change in the Retail Price Index (RPI)³⁸ during the previous calendar year. For the obligation period 2020-21 the price was set at £50.05 per ROC – an increase of 2.6% from the 2019-20 value of £48.78.
- 4.5 The obligation for all 126 suppliers that supplied electricity during the obligation period, which were not exempt from costs of the RO scheme, was set based on their overall supply volumes by RO jurisdiction. Suppliers with an obligation under the RO are not the complete group of licensed suppliers in the UK. Some licensed suppliers did not supply electricity in 2020-21 and so did not have an obligation. A full list of all electricity supply licences in GB is available from the Electronic Public Register on our Licensing website.³⁹ An equivalent list for NI is on the NIAUR website.⁴⁰

Compliance and Enforcement

- 4.6 Suppliers had a total of 232 obligations across the three Orders, 119 on the RO, 103 on the ROS and 10 on the NIRO. As outlined in **Table 4.2** below, 178 obligations were met, 91 on the RO, 77 on the ROS and 10 on the NIRO.

³⁶ Breakdown of RO jurisdiction is as follows: RO (England & Wales), ROS (Scotland), and NIRO (Northern Ireland)

³⁷ Excluding 8.81 TWh of electricity supplied to EIIs in GB, which is exempted from the RO. See paragraph 4.23 for further information.

³⁸ [Link to information on RPI from the Office of National Statistics:](https://www.ons.gov.uk/economy/inflationandpriceindices)

<<https://www.ons.gov.uk/economy/inflationandpriceindices>>

³⁹ [Link to list of GB supply licences:](https://epr.ofgem.gov.uk/Document) <<https://epr.ofgem.gov.uk/Document>>

⁴⁰ [Link to list of NI supply licences:](https://www.uregni.gov.uk/electricity-licences) <<https://www.uregni.gov.uk/electricity-licences>>

Table 4.2: Suppliers and obligations

RO Jurisdiction	Total number of Obligations	Obligations met - ROCs alone	Obligations met - Buyout and/or Late Payments alone	Obligations met - Combination of ROCs and payments	Total number of Obligations met
RO	119	39	35	17	91
ROS	103	43	32	2	77
NIRO	10	7	2	1	10
Total	232	89	69	20	178

Non-Compliance

4.7 In 2020-21, 28 suppliers with 54 obligations equating to 4,587,983 ROCs, did not present ROCs or make payments sufficient to meet their obligations.

4.8 In total, 21 suppliers with a total obligation of 4,214,392 ROCs did not make the full required buyout or late payments, or present the necessary number of ROCs towards their obligations and ceased trading before or during the 2020-21 Compliance Round up to the late payment deadline of 31 October 2021.⁴¹ The suppliers are:

- Avro Energy Ltd.
- Colorado Energy.
- Daisy Energy Supply Limited.
- Effortless Energy Ltd.
- Electraphase Limited.
- Enstroga Ltd.
- Gas and Power Ltd T/A HUB Energy.
- Goto Energy (UK) Ltd.
- Green Network Energy LTD.
- Green Supplier Ltd.
- Igloo Energy Supply Ltd.
- MoneyPlus Energy.
- Nabuh Energy Ltd.
- People's Energy (Supply) Ltd.
- PFP Energy Supplies Ltd.

⁴¹ Please note that additional suppliers have since exited the market or ceased trading although after the 31 October deadline – [for the most complete and up to date list please refer to the Ofgem webpage here](https://www.ofgem.gov.uk/information-consumers/energy-advice-households/what-happens-if-your-energy-supplier-goes-bust): <<https://www.ofgem.gov.uk/information-consumers/energy-advice-households/what-happens-if-your-energy-supplier-goes-bust>>

- Pure Planet Ltd.
- Robin Hood Energy Ltd.
- Simplicity Energy Limited.
- Symbio Energy Ltd.
- Tonik Energy Limited.
- Utility Point Ltd.

4.9 In addition there were two suppliers (I Supply Energy and Bristol Energy) with a total obligation of 80,659 ROCs which we supported ahead of the 2020-21 Compliance Round to make a controlled exit from the market. Hence, they met their obligations in full before the 31 October deadline and before their licences were revoked.

4.10 We are pursuing outstanding balances for suppliers who have ceased trading through their administrators.

4.11 Seven suppliers (Ampoweruk, Delta, Simply Your Energy/Entice, Go Effortless/Whoop, MA Energy, Neon Reef and Together Energy) with a total obligation of 373,591 ROCs, were active as of 31 October and failed to discharge their obligations in full by the 31 October legislative deadline. Ampoweruk presented 5,099 ROCs and MA Energy made payments totalling £400,644.50 to partially meet their respective obligations. No other ROCs were presented, or buyout/late payments made across these suppliers by the 31 October deadline.

4.12 All instances of non-compliance will be added to the Supplier Performance Report (SPR).⁴²

Enforcement

4.13 We take non-compliance with scheme obligations very seriously. As in previous years, we took a robust and proactive approach to compliance and enforcement on the RO scheme. We maintained a high level of engagement with obligated suppliers in order to ensure deadlines and amounts due were clear and set out the consequences of non-compliance to them.

4.14 This included early communication with suppliers to seek assurances that they would be able to discharge their obligations under the RO this compliance round. This was supplemented by requests to suppliers who failed to discharge their obligations by the 1 September 2021 deadline for assurances and evidence of their ability to meet their obligation in full by the 31 October 2021 late payment deadline. Where adequate

⁴² [Link to Supplier Performance Report webpage](https://www.ofgem.gov.uk/supplier-performance-report-spr): <<https://www.ofgem.gov.uk/supplier-performance-report-spr>>

assurances were not provided, we consulted on our proposals to issue Final Orders⁴³, details of which can be seen in **Table 4.3** below:

Table 4.3: Suppliers included in the RO Final Order consultation

Supplier	Final Order issued?	Outcome
Home Energy Trading	No	Obligation met
Goto Energy	No	ceased trading
Colorado Energy	No	ceased trading
Ampoweruk	Yes	ceased trading
Whoop Energy	Yes	Obligation not met; enforcement action on-going

4.15 Colorado Energy and GoTo Energy subsequently ceased trading, so we took the decision not to proceed with issuing a Final Order. Home Energy Trading met their obligation, so we decided to not make the Final Order. We proceeded to make Final Orders to Ampoweruk⁴⁴ and Whoop Energy/Go Effortless.⁴⁵

4.16 Suppliers who failed to discharge their obligations by the 1 September 2021 deadline but did initially provide us with robust assurance, were asked in mid-October for confirmation that they were still able to meet these assurances and make the relevant payment by the 31 October deadline. Where a supplier was not able to evidence this or informed us they could not meet the deadline, Provisional Orders were issued. Provisional Orders were made to:

- Together Energy.
- Delta Gas and Power.
- Neon Reef.
- MA Energy.
- Simply Your Energy/Entice Energy.

4.17 Full details of the Final and Provisional Orders are available on our website.⁴⁶ For more information on the steps the Authority can take in cases of non-compliance with the RO Obligation, please see the RO Guidance and Enforcement Guidelines.^{47 48}

⁴³ [Link to press release on enforcement action](https://www.ofgem.gov.uk/publications/ofgem-consults-issuing-final-orders-five-suppliers-over-ps7-million-late-renewables-obligations-payments): <https://www.ofgem.gov.uk/publications/ofgem-consults-issuing-final-orders-five-suppliers-over-ps7-million-late-renewables-obligations-payments>

⁴⁴ Ampoweruk subsequently ceased trading on 8 November 2021. [Link to Final Order for Ampoweruk](https://www.ofgem.gov.uk/publications/ampoweruk-ltd-final-order-0): <https://www.ofgem.gov.uk/publications/ampoweruk-ltd-final-order-0>

⁴⁵ [Link to Final Order for Whoop Energy](https://www.ofgem.gov.uk/publications/whoop-energy-ltd-final-order): <https://www.ofgem.gov.uk/publications/whoop-energy-ltd-final-order>

⁴⁶ [Link to details of final and provisional orders](https://www.ofgem.gov.uk/investigations/provisional-orders-and-final-orders): <https://www.ofgem.gov.uk/investigations/provisional-orders-and-final-orders>

⁴⁷ For information refer to sections 4.24-4.30 of the RO Guidance for Suppliers. [Link to RO Guidance for Suppliers](https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers): <https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>

⁴⁸ [Link to Ofgem's Enforcement Guidelines](https://www.ofgem.gov.uk/publications/enforcement-guidelines) <https://www.ofgem.gov.uk/publications/enforcement-guidelines>

2020-21 Compliance Timeline

Calculating the obligation

Actions required by suppliers

4.18 After an obligation period (1 April – 31 March) each licensed supplier must provide us with their estimated electricity supply (by 1 June) and final figures of electricity supply (by 1 July). Licensed electricity suppliers must comply with their obligations by presenting ROCs (by 1 September) or by paying into the buy-out fund (by 31 August), or into the late payment fund (by 31 October), or by using a combination of the three.⁴⁹ Payments into the late payment fund attract a daily interest charge.

Validation & submission of supply volumes

- 4.19 The Renewables Obligation: Guidance for Licensed Electricity Suppliers recommends a methodology for suppliers to follow when they report their supply volumes for an obligation period.⁵⁰ This states that they should use settlement reports from Elexon⁵¹ for supply in GB, and from Northern Ireland Electricity Networks (NIE)⁵² for supply in NI. Since 2015, we have obtained settlement reports from Elexon and NIE to validate submissions from suppliers and to mitigate the risk of inaccurate supply volume submissions.⁵³
- 4.20 There were four suppliers that submitted their estimated figures after 1 June estimated data deadline, and there were none that failed to provide data. For the 1 July final supply data deadline, seven suppliers submitted figures late⁵⁴ and there were none that failed to provide data. These figures exclude nine suppliers that either had their licence revoked or entered administration by the estimated or final supply data deadlines. Each of these incidents of non-compliance will be added to the Supplier Performance Report (SPR).⁵⁵

⁴⁹ For more information please see section 4.1-4.30 of the RO Guidance for Suppliers. [Link to RO guidance for suppliers](https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers): <<https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>>

⁵⁰ Appendix 5 RO Guidance for Suppliers.

⁵¹ [Link to Elexon website](https://www.elexon.co.uk/): <<https://www.elexon.co.uk/>>

⁵² [Link to NIE website](https://www.nienetworks.co.uk/home): <<https://www.nienetworks.co.uk/home>>

⁵³ For more information on the process please see section 4.2-4.11 of the RO Guidance for Suppliers.

⁵⁴ The names of suppliers missing the 1 June and 1 July deadlines can be found in Appendix 1.

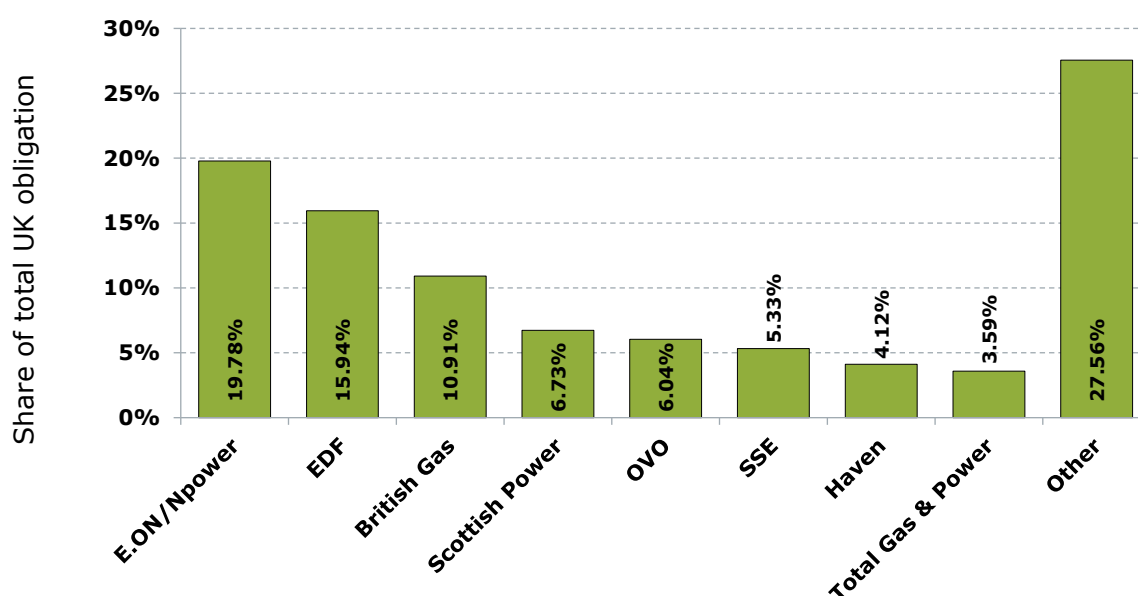
⁵⁵ [Link to information on the supplier performance report](https://www.ofgem.gov.uk/environmental-programmes/environmental-programmes-ofgem-s-role-and-delivery-performance/environmental-programmes-supplier-performance-report): <<https://www.ofgem.gov.uk/environmental-programmes/environmental-programmes-ofgem-s-role-and-delivery-performance/environmental-programmes-supplier-performance-report>>

Share of obligation by suppliers

4.21 **Figure 4.1** shows how the total UK obligation was split between suppliers. Each supplier with a share of the obligation of 3% or above is shown individually, those with a share below 3% are grouped together under 'Other'.

4.22 The six largest suppliers (E.ON/Npower⁵⁶, EDF, British Gas, Scottish Power, OVO, SSE) shared of 64.73% the obligation between them. This is up from 63.96% last year.⁵⁷ Full details of suppliers' obligations are included in **Appendix 1**.

Figure 4.1: Obligation level 2020-21



Energy Intensive Industries

4.23 An exemption for eligible Energy Intensive Industries (EIIs) from a proportion of the indirect costs of the RO has been in place on the scheme since the 2018-19 year.

4.24 Eligible EIIs in GB may claim exemption from their energy supplier for up to 85% of the indirect costs of the RO. We use the suppliers' reduced supply volumes to calculate their obligations. Further information about eligible EII excluded electricity can be found in our Guidance for Suppliers.⁵⁸

⁵⁶ In 2019 Npower was acquired by E.ON. Npower and its subsidiary companies are now part of the E.ON group.

⁵⁷ OVO's percentage share of the UK obligation has increased from last year's report, so that it now accounts for more than 3% of the total. As such it now features individually in **Figure 4.1**.

⁵⁸ Please see Sections 2.6-2.9 of the RO Guidance for Suppliers. [Link to RO guidance for suppliers](https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers): < <https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>>

4.25 Twenty-four suppliers supplied 11.30 TWh of EII electricity to their customers in GB – 8.81 TWh of which was excluded as part of their total supply volumes for the purpose of determining their obligations. A summary of such electricity supplied in GB is given in **Table 4.4**.

Table 4.4: Summary of EIIs supplied in Great Britain

	England & Wales	Scotland	UK Total
Total EIIs supply (MWh)	10,298,296	999,170	11,297,466
Total excluded EII electricity (MWh)	7,991,299	820,389	8,811,688
Percentage of excluded EII Electricity from obligation	77.6%	82.1%	78.0%
Total Electricity Supply (inc EII supply) (MWh)	235,247,788	23,526,203	258,773,991
Percentage of excluded EII from Total Electricity supply	3.4%	3.5%	3.4%

ROCs presented

4.26 **Table 4.5** summarises the obligation and ROCs presented by suppliers across the Orders. This shows that suppliers presented almost 105.3 million ROCs to us in 2020-21. This is a decrease of 10.7 million ROCs, or 9.2%, on the 115.9 million they presented in 2019-20.

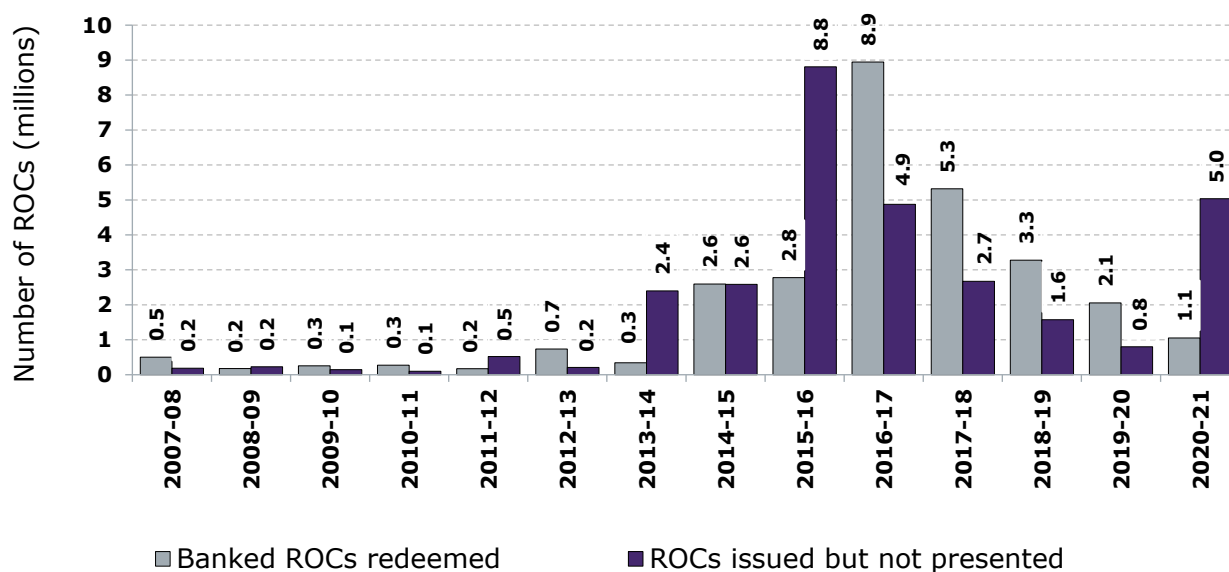
4.27 Suppliers met 88.4% of the total obligation (119.1 million ROCs) by presenting ROCs to us. The remaining proportion of the obligation (13.8 million ROCs) was largely met by suppliers making a buyout payment and/or late payment, for a total of £473.93 million. This amount was substantially lower than in 2019-20 (£661.35 million).

Table 4.5 Summary of ROCs presented towards each UK obligation in 2020-21

	RO	ROS	NIRO	UK Total
Electricity supplied (MWh)	227,256,489	22,705,814	7,343,236	257,305,539
Obligation (ROCs)	107,037,807	10,694,439	1,358,498	119,090,744
ROCs presented	93,998,100	9,938,947	1,326,400	105,263,447
Total number of obligations	119	103	10	232
% of obligation met with ROCs	87.8%	92.9%	97.6%	88.4%

4.28 Suppliers can meet up to 25% of an obligation by presenting unused ROCs from the previous obligation period (banked ROCs).⁵⁹ They presented around 1.05 million banked ROCs, down from the 2.06 million presented last year. **Figure 4.2** shows that the number of banked ROCs presented in 2020-21 obligation period is the lowest it has been since the 2013-14 obligation period.

Figure 4.2: Banked ROCs redeemed and ROCs issued but not presented each obligation period since 2007-08



4.29 At the time of writing, of the 109,252,882 million ROCs issued that are based on generation between April 2020 and March 2021, more than 5,036,969 ROCs were not presented by suppliers. These will be available as banked ROCs for the 2021-22 compliance period.

4.30 There is a cap on the number of ROCs from electricity generated from bioliquids that suppliers can present towards their obligations. This limits suppliers to meeting 4% of an obligation using bioliquid ROCs. Some bioliquid ROCs are exempt from the cap. Details of the exemptions are in section 4.5 of our Guidance for Suppliers.⁶⁰

4.31 In 2020-21 suppliers presented 256,848 bioliquid ROCs to us, across the obligations, which qualified under the cap. This is 0.22% of the total obligation, well below the 4% cap. Suppliers also presented 2,853,221 bioliquid ROCs towards their 2020-21 obligation

⁵⁹ Defined in article 14(2) of the 2015 RO Order and articles 13(2) of the 2009 ROS and NIRO Orders

⁶⁰ [Link to RO guidance for suppliers](https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers): <<https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>>

that were exempt from the cap.⁶¹ This represents around a 4.71% increase of exempt Bioliqid ROCs presented by suppliers in the 2019-20 obligation period. **Table A1.5 in Appendix 1** summarises all bioliqid ROCs presented by suppliers towards their obligations by RO year. This is effective from the 2013-14 RO year, when the cap on the number of bioliqid ROCs a supplier can present towards its obligation was first introduced.

Payments made

4.32 Fifty-one suppliers who chose to make buy-out payments paid a total of £415,555,547 into the buy-out fund by the legislative deadline of 31 August.⁶²

4.33 Across the schemes, 37 suppliers covering 66 obligations did not meet the deadline for making buy-out payments or presenting ROCs, and therefore were required to utilise the late payment window to discharge their obligation. Twenty-eight suppliers did not comply with their obligations (as noted in section 4.7). Nine suppliers complied with their obligations by making late payments by 31 October. A total of £58,373,830 was made in late payments by these nine suppliers and others who did not comply in full.

4.34 **Table 4.6** summarises the payments suppliers made towards each UK obligation in 2020-21. Full details of how all suppliers met their obligations are in **Appendix 1**.

Table 4.6: Payments made by suppliers towards each UK obligation for 2020-21

	RO	ROS	NIRO	UK Total
Buy-out payments made	£395,009,220	£19,753,985	£792,342	£415,555,547
Late payments made	£53,006,558	£4,546,397	£820,875	£58,373,830
Total	£448,015,778	£24,300,382	£1,613,217	£473,929,377

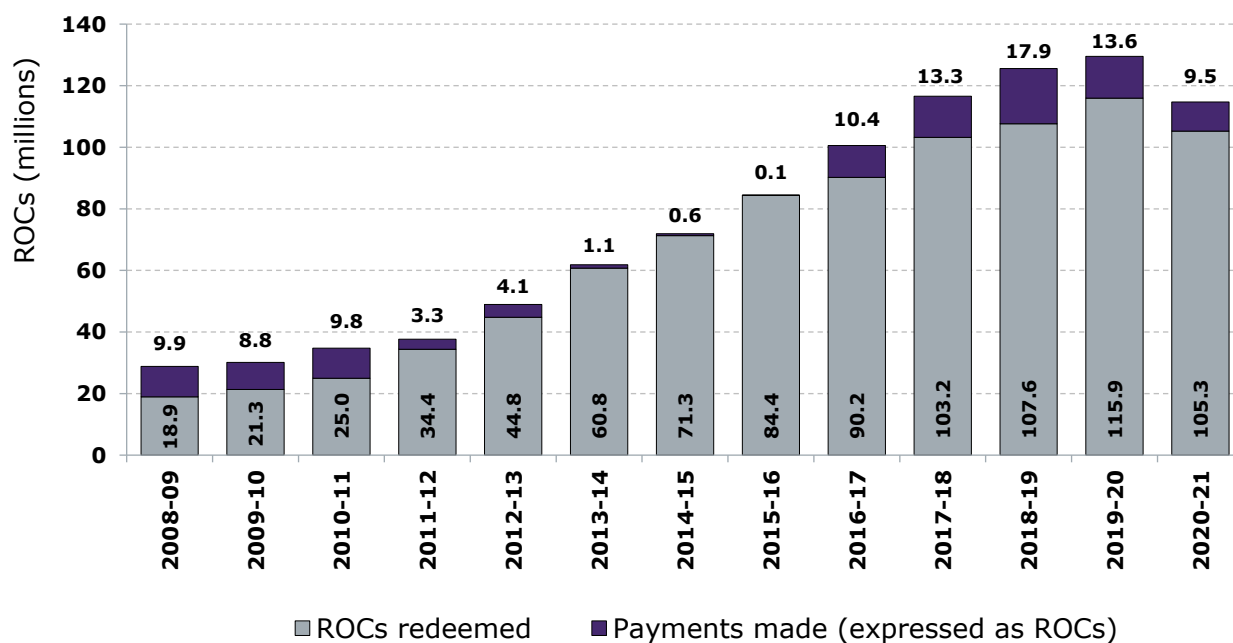
4.35 **Figure 4.3** shows the trend in ROCs submitted and payments made (expressed as a number of ROCs) towards the UK obligation since 2008-09. The proportion of the UK obligation met through ROCs in the 2020-21 year was 88.4% which is a decrease compared to the 89.1% reported for 2019-20. This was accompanied by a decrease in the proportion met through contributions to the buy-out fund (down from 9.27% in 2019-20 to 6.97%) or late payment fund (down from 1.15% in 2019-20 to 0.98%). This

⁶¹ Details on reasons for exemption from the bioliqid ROC cap can be found in section 4.5 of the RO Guidance for Suppliers.

⁶² EDF Energy who acted as the Supplier of Last Resort for Green Network Energy made a partial payment towards Green Network Energy's RO which is included in these figures

meant that there was a 3.65% shortfall for the 2020-21 year which was significantly higher than in previous compliance rounds.⁶³

Figure 4.3: ROCs submitted and payments made towards the UK Obligation since 2008-09



Value of the scheme

4.36 Suppliers who presented ROCs towards their 2020-21 obligation receive a share of the buyout and late payment funds. The total amount redistributed (as covered in section 4.40) is divided by the 105.3 million ROCs redeemed to give the amount suppliers receive back for each ROC they presented. This is the ROC recycle value which for 2020-21 was £4.42. When added to the buy-out price of £50.05 for each ROC presented, the total notional worth of a ROC for this obligation period was £54.47. Suppliers will receive a further mutualisation recycle value once the mutualisation process for this compliance period is complete.⁶⁴

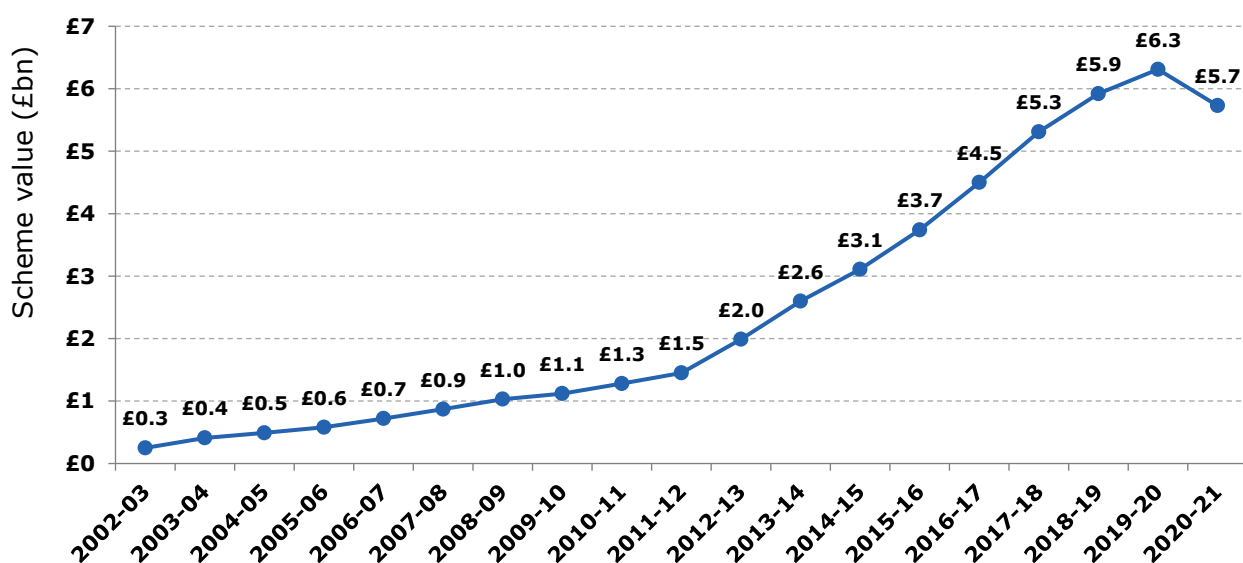
4.37 **Table 4.7** below shows the total value of the scheme in an obligation period is the worth of a ROC multiplied by the number of ROCs presented for compliance by suppliers. In 2020-21 suppliers presented 105.3 million ROCs each worth £54.47 giving a scheme value of £5.73 billion. The change in scheme value can be seen in **Figure 4.4**.

⁶³ In some RO years, a very small fraction of this remaining proportion of the obligation was not fulfilled by suppliers making buyout and/or late payments, and thus has been left undischarged. For the 2020-21 RO year this was more significant, thereby triggering the mutualisation process for the fourth time in the RO's history

⁶⁴ Further details on Mutualisation can be found from section 4.44 onwards

Table 4.7 Determination of ROC recycle value 2020-21⁶⁵

Total buy-out and late payments redistributed	Total ROCs presented (m)	Recycle value per ROC presented	Worth of a ROC to a supplier	Average ROCs issued/MWh	Support per MWh supplied	Scheme value
£465.9m	105.3	£4.42	£54.47	1.36	£74.03	£5.73bn

Figure 4.4: Change in scheme value since 2002-03

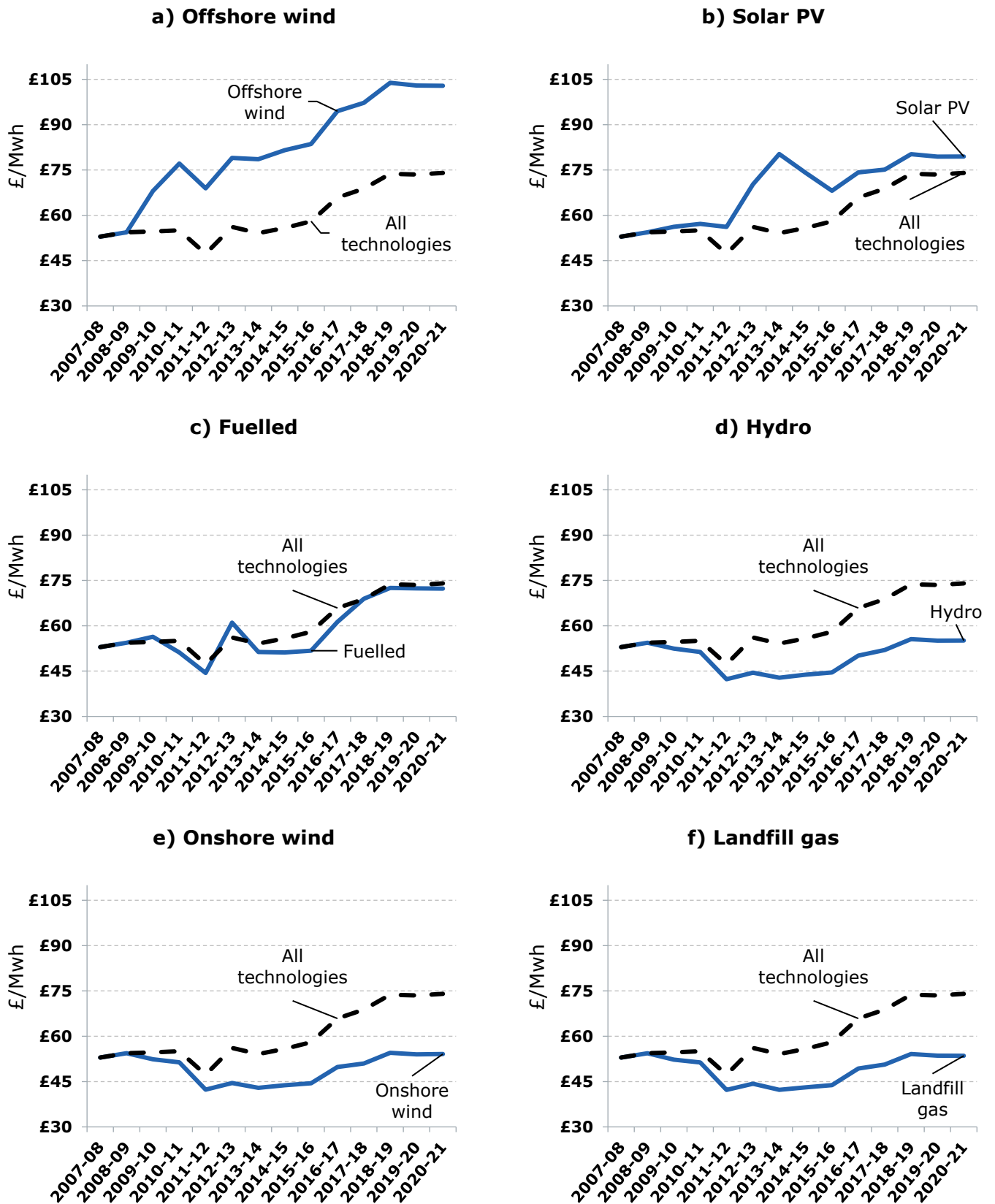
4.38 The average number of ROCs issued per MWh (from **Table 4.7**) multiplied by the worth of a ROC gives the support (in £) per MWh generated for an obligation period. As shown in the table this was £74.03 during 2020-21.

4.39 **Figure 4.5** shows the cost of support in £ per MWh broken down by technology type. The charts begin in 2008-09, before banding was introduced⁶⁶, when all technologies received one ROC per MWh generated. There is a mix of increases and decreases from the previous year in the cost of support per MWh across different technology types, but the changes are relatively small and are at a similar level compared with the last two years' figures.

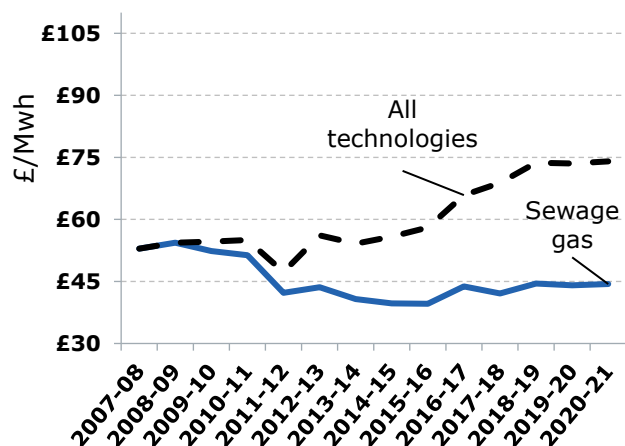
⁶⁵ For the determination of ROC recycle value since 2010-11 please see Appendix **Table A3.1**

⁶⁶ Banding came into force on 1 April 2009.

Figure 4.5 (a-g): Value of support per MWh for each technology since 2008-09



g) Sewage gas



Redistribution

4.40 We redistribute the buy-out and late payment funds to suppliers using the single recycling mechanism. This means that we pay out the aggregate of the funds across the three obligations to suppliers in proportion to the number of ROCs each supplier presented across the three Orders.⁶⁷

4.41 As **Table 4.8** below summarises, the combined sum redistributed to suppliers from the buy-out and late payment funds was approximately £465.87 million. Full information on payments made to individual supply licences is included in **Appendix 1**. Before making redistribution payments we withdrew £8.06 million for our and NIAUR's scheme administration costs⁶⁸ from the buy-out fund and rounded the redistribution amounts down to the nearest whole pound. We made the redistribution payments on 22 October 2021 in advance of the legislative deadline of 1 November 2021.⁶⁹

⁶⁷ For example, a supplier who presents 3% of the total ROCs across the three obligations will get back 3% of the amount we redistribute from the buy-out and late payment funds. This is the case regardless of the Order under which a supplier had its obligations. So, for example, a supplier who only has an obligation in England and Wales will still receive part of the Scotland and Northern Ireland payment funds.

⁶⁸ Ofgem's costs (leaving NIAUR's aside) were 19.09% higher than for 2020-21, however this cost remains at around 0.12% of the estimated scheme value. The overall administration cost of £8.06m includes GB costs of £6,421,511 and NIRO costs of £1,637,471. [Link to further information on Ofgem's RO costs:](https://www.ofgem.gov.uk/sites/default/files/2021-09/RO%20Cost%20Letter%202021-22%20Final.pdf)

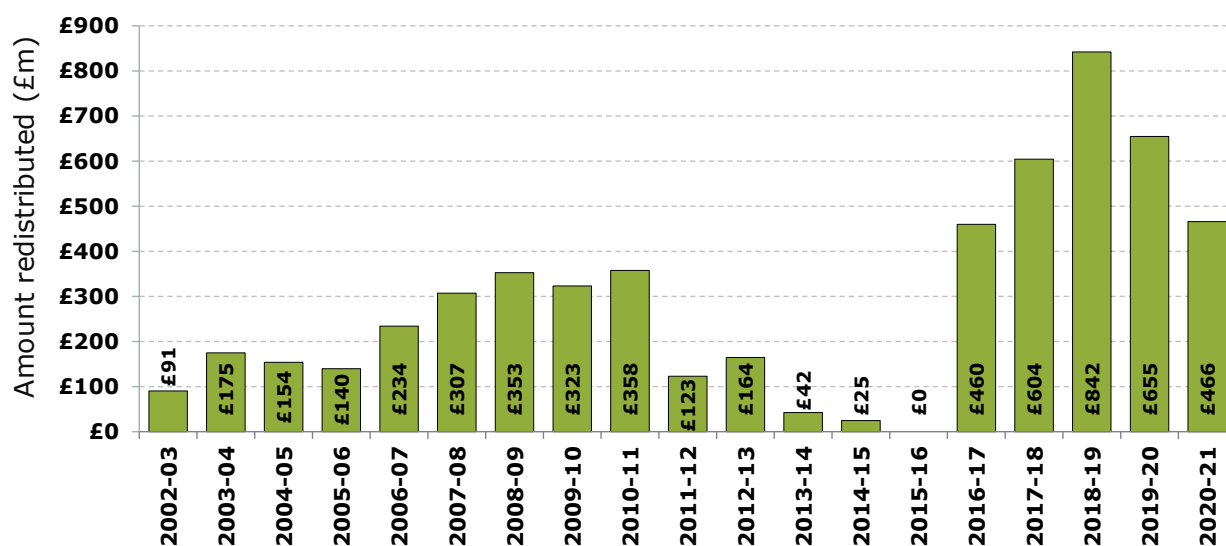
<<https://www.ofgem.gov.uk/sites/default/files/2021-09/RO%20Cost%20Letter%202021-22%20Final.pdf>>

⁶⁹ Please see the Ofgem website for further details. [Link to Renewables Obligation: ROCs presented and Redistribution of Buy-Out Fund 2020-21 | Ofgem](https://www.ofgem.gov.uk/publications/renewables-obligation-rocs-presented-and-redistribution-buy-out-fund-2020-21) <<https://www.ofgem.gov.uk/publications/renewables-obligation-rocs-presented-and-redistribution-buy-out-fund-2020-21>>

Table 4.8: Summary of redistribution payments

	RO	ROS	NIRO	UK Total
Buy-out	£387,349,656	£19,370,965	£776,987	£407,497,608
Late payments	£53,007,910	£4,546,422	£820,871	£58,375,203
Total	£440,357,566	£23,917,387	£1,597,858	£465,872,811

4.42 We redistributed £58,375,203 in late payments, on the same basis as the buy-out funds (though without the withdrawal of administration costs) on 3 December 2021. This was in advance of the legislative deadline of 1 January 2022. **Figure 4.6** shows the amounts we have redistributed each year since the scheme's introduction in 2002.

Figure 4.6: Total redistributed to suppliers since 2002-03 (£m)

4.43 Ofgem has occasionally received late payments from defaulting suppliers after the Late Payment deadline of 31 October has passed. Following an open consultation⁷⁰ with suppliers and interested stakeholders, it was decided that when recycling these payments to eligible suppliers in years when mutualisation is triggered, it shall be in proportion to the total mutualisation payments each supplier is responsible for making.⁷¹ This methodology was first put in to practice on 15 January 2021 when Ofgem redistributed a payment of £507,369.57 received from one supplier after the 2019-20 late payment

⁷⁰ [Link to Open Letter](https://www.ofgem.gov.uk/publications-and-updates/open-letter-payments-received-after-renewables-obligation-ro-late-payment-deadline) - Payments received after Renewables Obligation (RO) late payment deadline <<https://www.ofgem.gov.uk/publications-and-updates/open-letter-payments-received-after-renewables-obligation-ro-late-payment-deadline>>

⁷¹ ie if supplier A is due to make 2% of the total year's worth of mutualisation payments, they will receive 2% of the payments received after the late payment deadline.

deadline had passed.⁷² As of the time of writing we have received a payment of £100,000 after the 2020-21 late payment deadline from Delta Gas and Power Ltd which we plan to redistribute in early 2022.

Mutualisation

4.44 If a supplier or suppliers are unable to meet their obligations under the RO or ROS, there may be a shortfall in the late payment fund. The mutualisation provisions in RO legislation⁷³ are designed to account for this. Mutualisation is triggered above a certain threshold, known as relevant shortfall,⁷⁴ the amount of which for the 2020-21 year is equal to or more than £15.4 million for the RO and £1.54 million for ROS. Mutualisation does not apply in Northern Ireland.

4.45 If mutualisation is triggered, suppliers that discharged their obligations in full or in part under the RO and ROS must make additional payments to make up the shortfall. These payments are capped at the mutualisation ceiling; we publish the amount every year before the start of the obligation period. We adjust this in the same way as the buy-out price, in line with the change in RPI from the previous calendar year. The mutualisation ceilings were £301,471,100.35 in England and Wales and £30,147,110.03 in Scotland.

4.46 Mutualisation payments are redistributed to suppliers on the same basis as the buy-out and late payment funds, using the single recycling mechanism to UK compliant suppliers. These are suppliers who have presented ROCs within the relevant compliance period and have discharged their obligation in full by the late payment deadline of 31 October. Although mutualisation does not apply in NI, NI suppliers will receive a share of any mutualisation funds from the RO and ROS.

4.47 In 2020-21, 28 suppliers did not meet their obligations in full. This resulted in a total shortfall of £218,300,151.73, (excluding interest)⁷⁵ distributed across the schemes, as follows:

- RO: £204,786,037.53.
- ROS: £13,514,114.20.
- NIRO: £0.

⁷² [Link to details of the late, late payment redistribution on the Ofgem website:](https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-january-2021-additional-payment-distribution-november-2020)

<<https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-january-2021-additional-payment-distribution-november-2020>>

⁷³ Mutualisation is described in articles 72 – 77 of the 2015 RO Order and articles 48 – 52 of the 2009 ROS Order.

⁷⁴ Article 72 in the 2015 RO Order and Schedule 3 in the 2009 ROS Order define the amount of relevant shortfall.

⁷⁵ [Link to notice detailing shortfall in late payment fund](https://www.ofgem.gov.uk/publications/renewables-obligation-late-payment-distribution-2020-2021) (table 3):

<<https://www.ofgem.gov.uk/publications/renewables-obligation-late-payment-distribution-2020-2021>>

4.48 The resulting shortfall triggered mutualisation for both RO and ROS⁷⁶. In line with the RO Orders, suppliers who discharged their obligations in full or in part have been contacted to make quarterly payments to make up the shortfall, in proportion to their obligation. The first of these payments will be due by 31 August 2022. The latest updates on all mutualisation activity are published on our 'RO Publication and updates' webpage⁷⁷ whereas further information on mutualisation can be found within chapter 7 of our Renewables Obligation: Guidance for Suppliers.⁷⁸

Mutualisation payments and redistributions for previous compliance periods

4.49 During the obligated period from 1 April 2020 to 31 March 2021, relevant suppliers had an obligation to make quarterly mutualisation payments for past compliance years and we had an obligation to redistribute mutualisation payments received from suppliers. This process is set out in the RO Supplier Guidance⁷⁹.

4.50 The quarterly mutualisation payments required from suppliers during this period were for the fourth quarter of 2017-18 and the first, second and third quarters of 2018-19.

4.51 The mutualisation payments we redistributed during 2020-21 were in relation to the third and fourth quarters of 2017-18, and the first and second quarters of 2018-19.

4.52 To provide a clear picture of activity in this area, we have included a summary in **Appendix 2** of mutualisation payments received and redistributed, in the relation to the complete 2017-18 and 2018-19 compliance periods. Summaries of the payments received and redistributed are also published on our website.⁸⁰

⁷⁶ [Link to 2020-21 mutualisation notice](https://www.ofgem.gov.uk/publications/renewables-obligation-202021-mutualisation): <https://www.ofgem.gov.uk/publications/renewables-obligation-202021-mutualisation>

⁷⁷ [Link to RO Publications and updates](https://www.ofgem.gov.uk/environmental-programmes/ro/contacts-publications-and-data): <https://www.ofgem.gov.uk/environmental-programmes/ro/contacts-publications-and-data>

⁷⁸ [Link to RO guidance for suppliers](https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers): <https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>

⁷⁹ Page 36 of RO guidance for suppliers (paragraph 7.9 and Table 6).

⁸⁰ [Link to 2017-18 Q3 mutualisation payments redistribution](https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-3-mutualisation-payment-distribution-2017-18): <https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-3-mutualisation-payment-distribution-2017-18>

[Link to 2017-18 Q4 mutualisation payments redistribution](https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-4-mutualisation-payment-distribution-2017-18): <https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-4-mutualisation-payment-distribution-2017-18>

[Link to 2018-19 Q1 mutualisation payments redistribution](https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-1-mutualisation-payment-distribution-2018-19): <https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-1-mutualisation-payment-distribution-2018-19>

[Link to 2018-19 Q2 mutualisation payments redistribution](https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-2-mutualisation-payment-distribution-2018-19): <https://www.ofgem.gov.uk/publications/renewables-obligation-quarter-2-mutualisation-payment-distribution-2018-19>

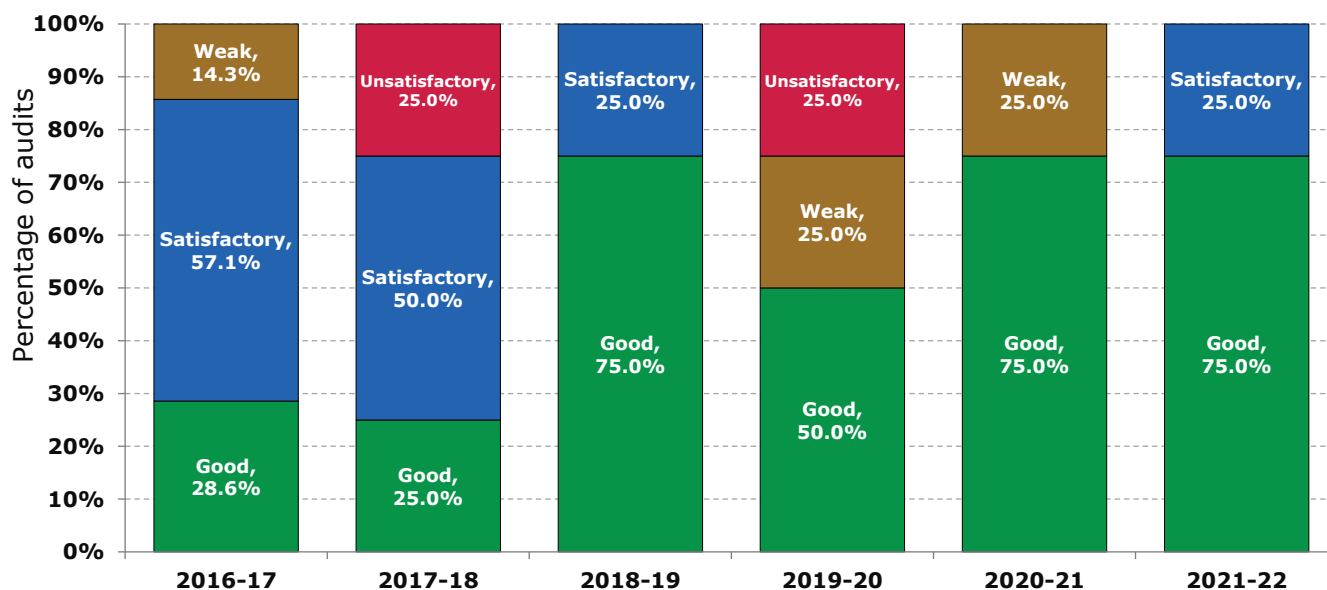
2020-21 Supplier Audits

4.53 Supplier audits are conducted each year to gain assurance on the accuracy of the electricity figures submitted to us by suppliers (in this case covering the period 2020-21) and to ensure suppliers' internal processes are robust. The audits also aim to prevent/reduce the number of submissions with errors and to deter fraudulent activity.

4.54 The audits were generally targeted to include those suppliers where we have concerns over internal processes and those where we have concerns over the accuracy of supply volumes being reported.

4.55 In 2020-21, four suppliers were audited. Of the four audits, three were rated 'Good' and one was rated 'Weak'. A summary of supplier audit results from 2016-17 to 2020-21 are shown in **Figure 4.7**.

Figure 4.7 Supplier audit results 2016-17 to 2020-21



4.56 All audits from 2020-21 are now closed and the main findings related to:

- Inaccuracies in processes.
- A lack of risk assessments or independent assurance activities taking place.
- Issues with users and information held on the R&CHP Register.
- The robustness of controls in place around compiling and checking the submission of data to us.

4.57 Where audit findings give cause for concern or identify areas for improvement, Ofgem engages with the relevant suppliers to develop an action plan. All instances of non-compliance will be added to the Supplier Performance Report (SPR)⁸¹.

⁸¹ [Link to information on the SPR](https://www.ofgem.gov.uk/supplier-performance-report-spr): <<https://www.ofgem.gov.uk/supplier-performance-report-spr>>

5. Compliance of RO generators

Chapter summary

The 2020-21 generator audit programme consisted of 83 targeted and 391 statistical audits being conducted on stations in the UK. This was the first year in which statistical audits have been conducted on the RO. Overall, 64% of targeted audits and 78% of statistical audits were rated as being either 'Weak' or 'Unsatisfactory'. In addition to the generator audits we also conducted three agent or 'rent-a-roof' company audits and all were rated either 'Good' or 'Satisfactory'.

A total of 48 participant compliance investigations were closed during 2020-21 with seven of these cases resulting in compliance action being taken. This included the withdrawal of accreditation for three generating stations. Two of these withdrawal decisions resulted in applications to the High Court for judicial review. Ofgem successfully defended one case. The applicant in the other case ultimately withdrew their application for judicial review.

- 5.1 Accredited generating stations are audited to ensure they remain compliant according to scheme eligibility requirements and guidance. As well as helping to ensure that stations continue to meet eligibility requirements, audits also provide assurance that the correct number of ROCs have been issued and that the information we hold is current. Furthermore, audits help identify and prevent errors, and potentially fraudulent activity.
- 5.2 As well as audits of accredited generating stations, we also conduct audits on those applying for accreditation. The aim of auditing generating stations before determining eligibility is to verify the evidence submitted in support of an application.
- 5.3 Each audit receives an assurance rating which is dependent on the findings. The ratings are as follows:
 - **Good** (no issues identified at audit).
 - **Satisfactory** (minor issues or instances where best practice is not followed).
 - **Weak** (the audit identified moderate issues of non-compliance).
 - **Unsatisfactory** (major instances of non-compliance or suspected fraud identified).
- 5.4 Following an audit, a report is issued to the generator, who we then work with to ensure that findings are satisfactorily resolved and that any evidence which remains outstanding is provided. In the event of potential non-compliance, error or fraud being identified, we

investigate thoroughly, and where appropriate can withdraw accreditation, change a station's ROC banding, and/or make amendments to ROC issue. Once all outstanding findings have been resolved the audit will be closed. Ofgem can temporarily suspend ROC issue whilst awaiting further evidence, or for corrective actions to be taken. If fraudulent activity is suspected, we can refer cases to Action Fraud and law enforcement agencies.

5.5 The 2020-21 generator audit programme consisted of two types of audit; targeted audits and statistical audits:

- **Targeted** – These audits included stations that were selected based on concerns identified through our internal processes, external sources of information or known risk areas in the scheme population.
- **Statistical** - To better understand the level and types of non-compliance on the RO scheme, accredited stations were randomly selected across the scheme population. The RO statistical audit programme was first introduced by us in 2020-21.

5.6 Due to restrictions during the COVID-19 pandemic, audits were conducted remotely where appropriate. In cases where we had concerns relating to the onsite configuration of the generating station, we postponed the audit until a site visit was possible.

Targeted Generator Audits

5.7 In 2020-21, our external auditor carried out targeted audits on 83 generating stations (>50 kW DNC). Eleven of the audited generating stations were based in Scotland, 23 in Northern Ireland, 45 in England and four in Wales. **Figure 5.1** shows the breakdown of the targeted audits by country and the rating given by the auditor. **Figure 5.2** shows the same information but broken down by technology type.

Figure 5.1 (a-e): Targeted audit ratings by country in 2020-21

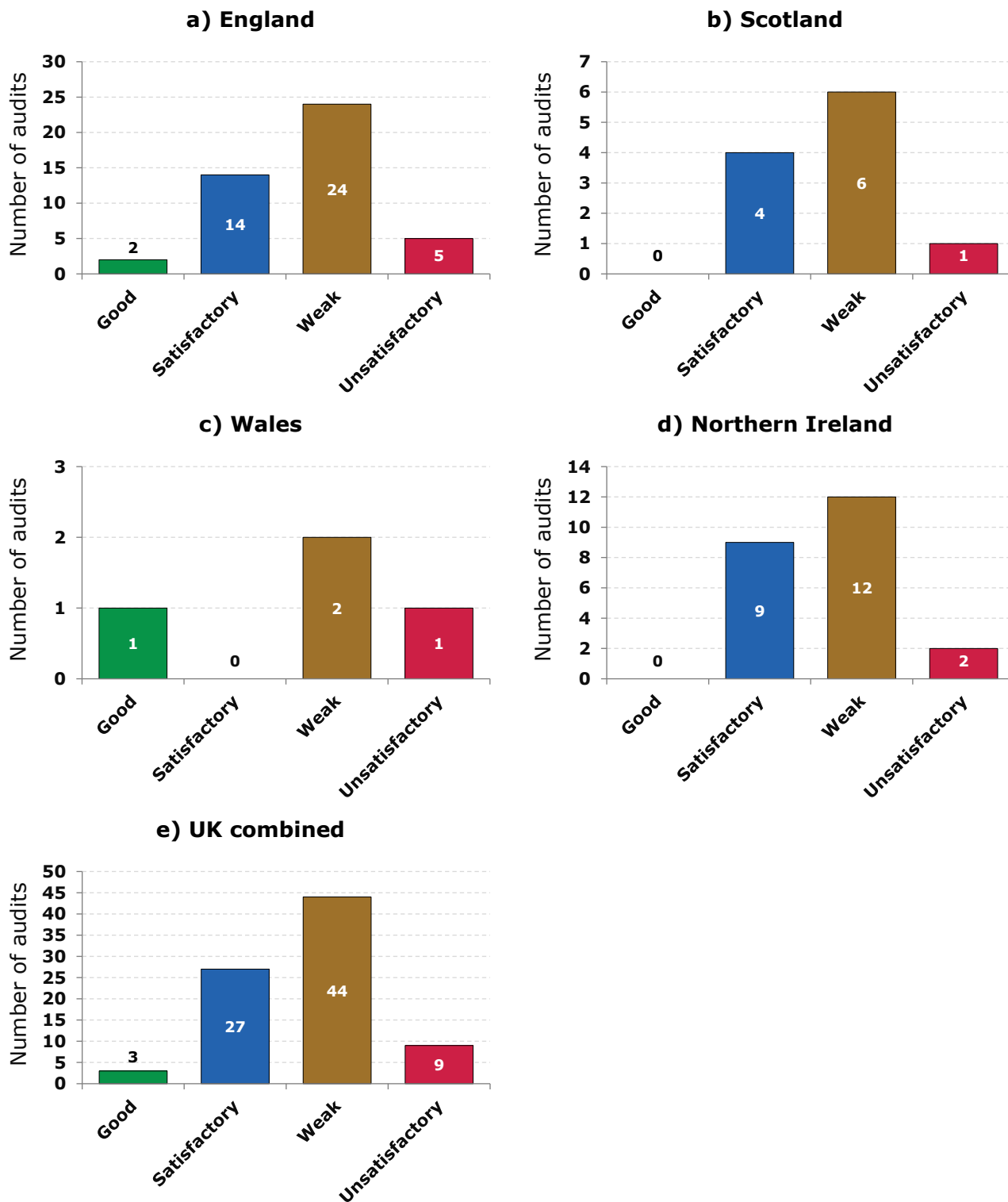
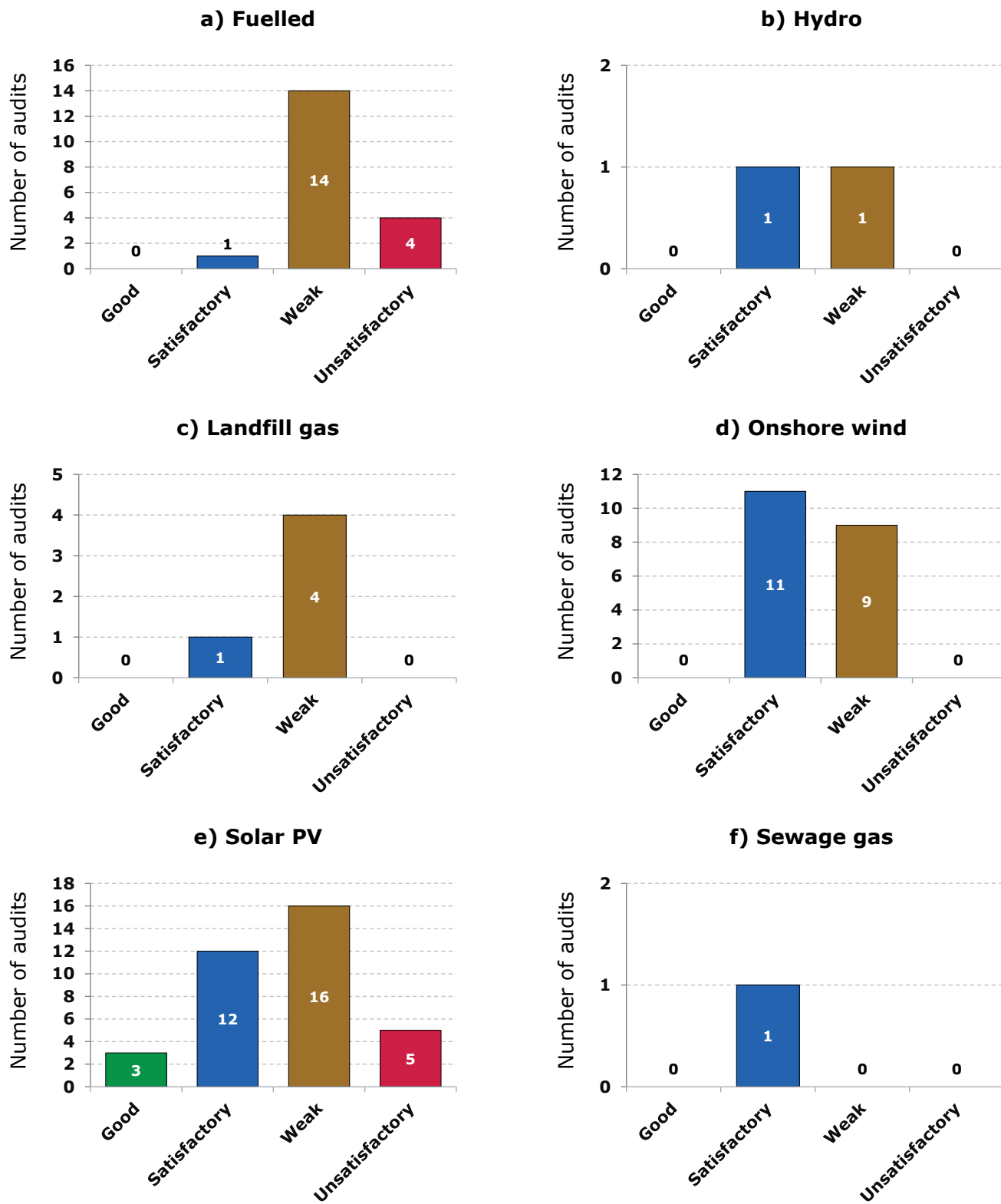


Figure 5.2 (a-f): Targeted audit ratings by technology in 2020-21

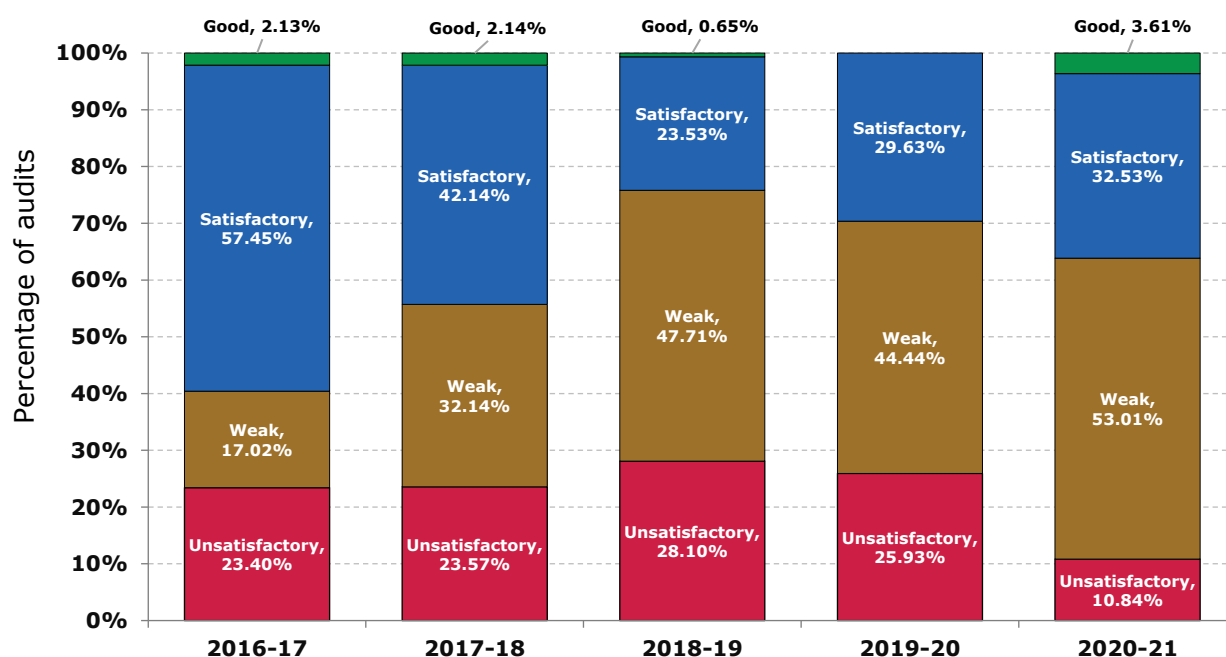


5.8 As shown in **Figure 5.3** the proportion of 'Weak' and 'Unsatisfactory' audit ratings was almost 64%, a decrease from 70% in 2019-20. We expect a high level of non-compliance due to the audits being targeted.

5.9 The most common findings from the targeted audit programme were:

- Discrepancies with the information provided in the accreditation application.
- meters outside calibration period.
- Discrepancies with the stated TIC/DNC.
- Unable to confirm the commissioning date due to insufficient evidence.
- Outstanding documents/information.
- Over/under-claiming of ROCs.

Figure 5.3: Targeted audit results 2016-17 to 2020-21

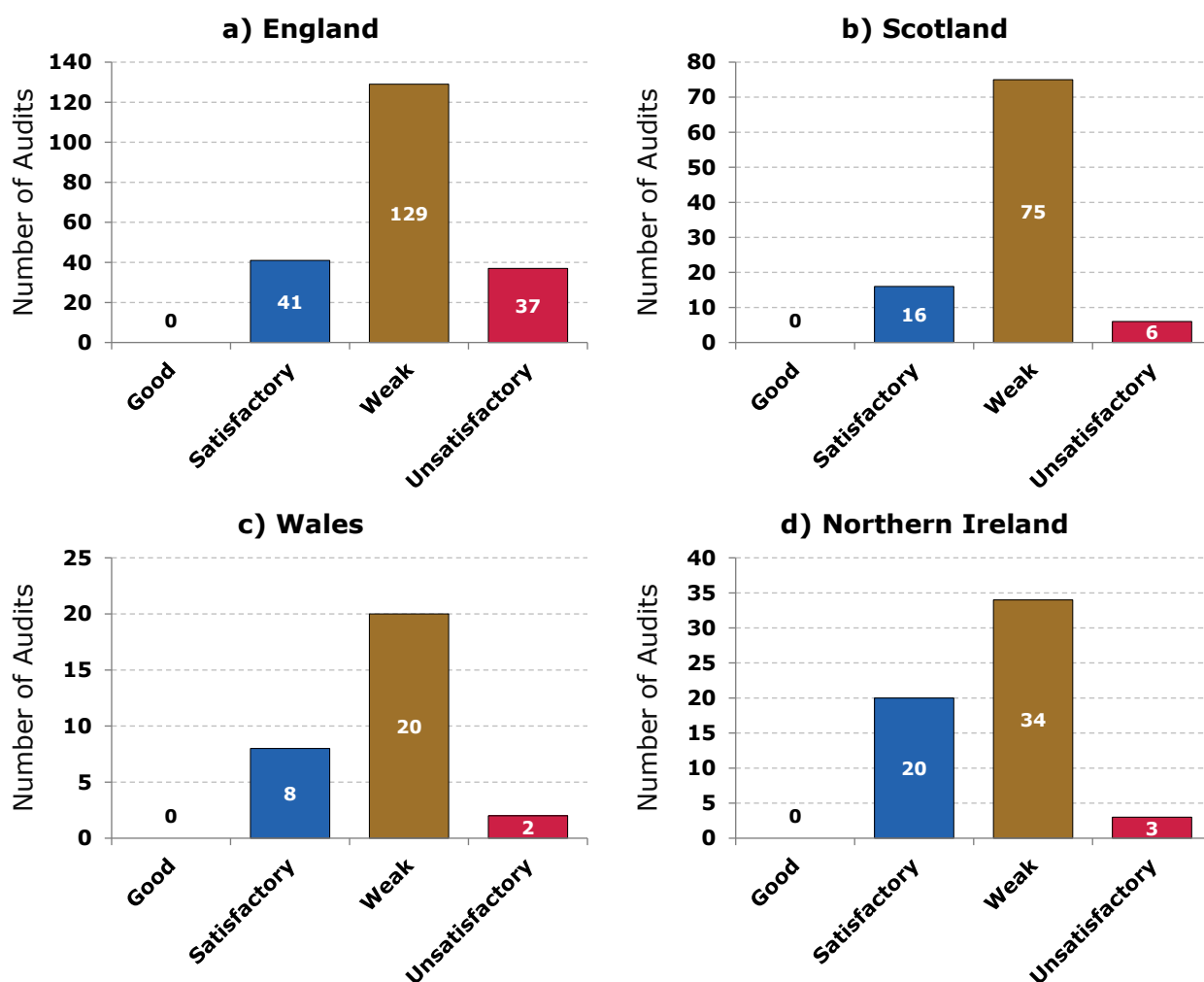


5.10 A review of the audit process was conducted to improve and shorten the procedure and where possible, minimise the demand on generators. As such, we no longer request a full response from operators where the audit is rated as 'Satisfactory' or 'Good'. For these audits, once the final report is provided to the operator the audit is closed. Any outstanding findings are however progressed separately, and where relevant this can include compliance action.

Statistical Generator Audits

5.11 In 2020-21, our external auditor carried out 391 statistical audits of generating stations >50 kW DNC. Ninety-seven of the audited generating stations were based in Scotland, 57 in Northern Ireland, 207 in England and 30 in Wales. The statistical audit sample was selected by taking a random selection from various technology groups across the RO scheme population. **Figure 5.4** shows the breakdown of the statistical audits by country and the rating given by the auditor. **Figure 5.5** shows the same information but broken down by technology type.

Figure 5.4 (a-e): Statistical audit ratings by country 2020-21



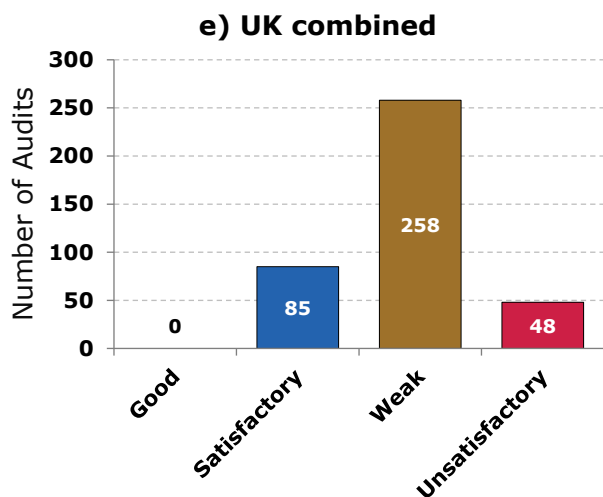
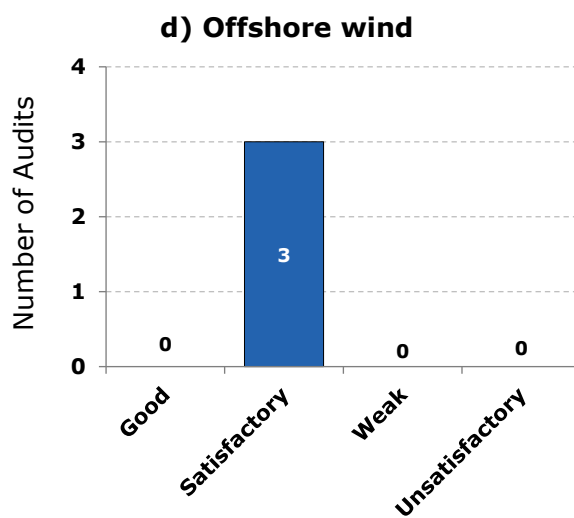
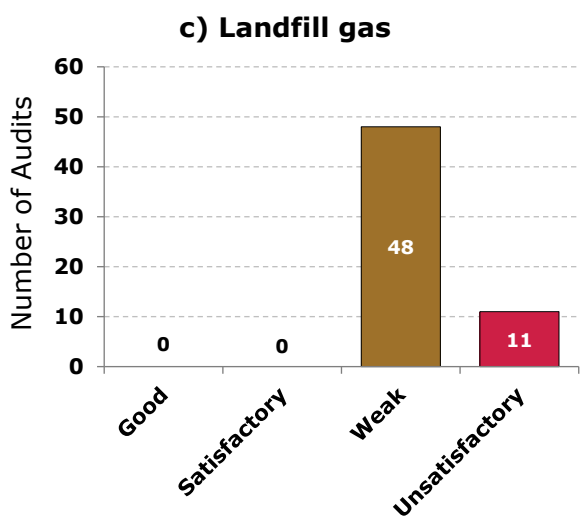
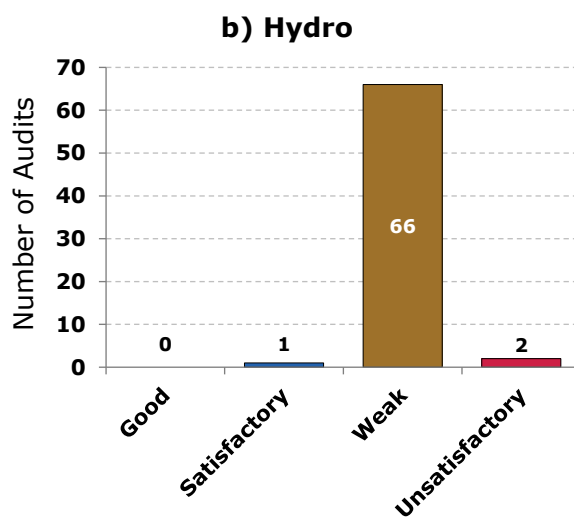
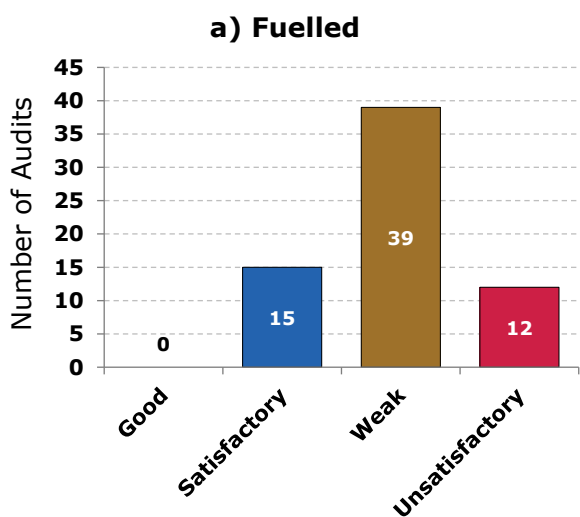
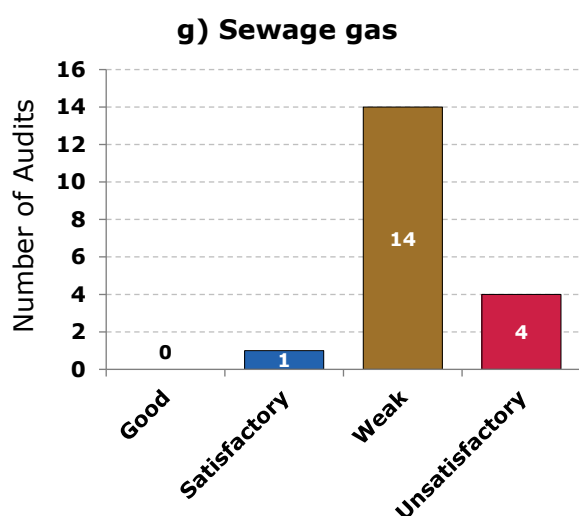
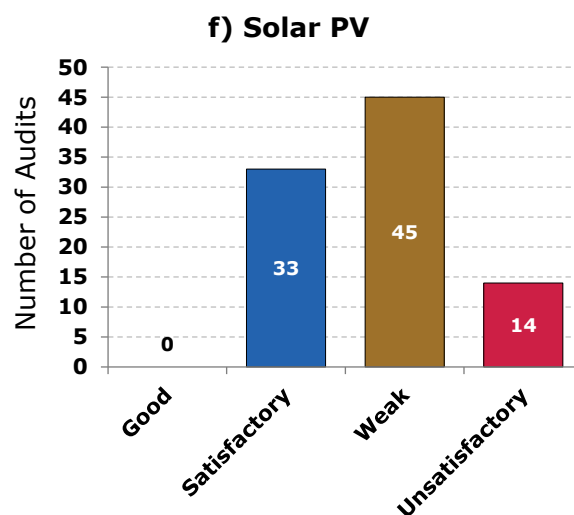
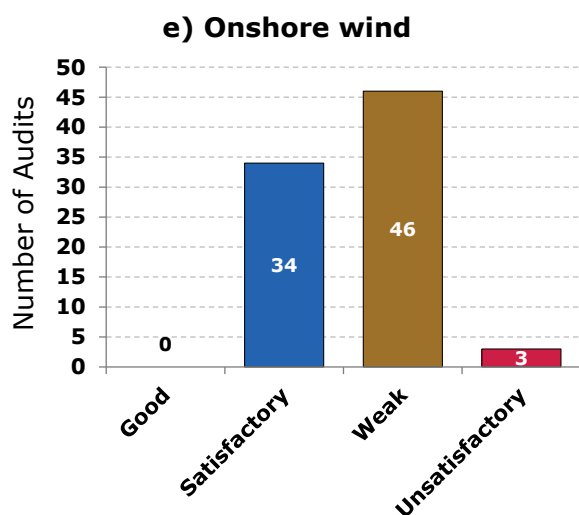


Figure 5.5 (a-g): Statistical audit ratings by technology 2020-21





5.12 Overall, 78% of stations received 'Weak' and 'Unsatisfactory' audit ratings, with the most common audit findings reflecting those on the targeted programme:

- Discrepancies with the information provided in the accreditation application.
- Meters outside calibration period.
- Discrepancies with the stated TIC/DNC.
- Unable to confirm the commissioning date due to insufficient evidence.
- Outstanding documents/information.
- Over/under-claiming of ROCs.

5.13 As this is the first year audits of this type have been conducted, a comparison of results with previous years is not possible. The error rate from the 2020-21 sample cannot be confirmed at the time of writing as a number of the audits have not been closed. This will be calculated once all audits from the 2020-21 audit programme have been closed.

- 5.14 The proportion of statistical audits which earned the rating of 'Weak' was higher than expected. On analysis we identified that this was predominantly driven by the random sampling picking up a larger proportion of generating stations which were commissioned either before the commencement, or in the initial years, of the RO scheme than our targetted audits. The resultant 'weak' ratings generally related to findings about the provision of evidence of commissioning, which was no longer available for the auditors to review.
- 5.15 We acknowledge the additional challenges these generating stations have in demonstrating exact dates of commissioning and as such we have reviewed our approach to requesting commissioning evidence for older generating stations. This revised approach has now been implemented and we expect this over representation of 'Weak' audits to decrease in future as a result. Please note, despite this change of approach, operators must continue to retain all evidence used to demonstrate they meet the eligibility requirements under the scheme.
- 5.16 Similarly, as detailed in paragraph 5.10, we have implemented a new process to resolving audits rated as 'Satisfactory' and 'Good', with a view to streamlining the process of closing these audits.

2020-21 Northern Ireland Micro Generator Audits

- 5.17 Micro-generators (<50 kW) are audited to verify information and documents provided in relation to commissioning and metering.⁸²
- 5.18 In 2020-21, 105 micro-generators in Northern Ireland were selected for audit. Due to the COVID-19 pandemic restrictions and the fact that a significant portion of these installations are located within domestic properties, it was determined that on-site audits would not be feasible. As such, these audits were postponed and are currently re-scheduled to take place during the 2022-23 period.

⁸² Micro generators are those with a DNC of 50kW or less. Micro generators are only eligible for the RO in NI and are referred to as micro-NIRO.

2020-21 Northern Ireland Agent and 'Rent-a-Roof' Audits

5.19 Agent⁸³ and rent-a-roof company⁸⁴ audits are conducted to ensure that:

- There are effective processes in place to validate accreditation data.
- Generation data and meter readings are scrutinised to ensure accurate data submissions.
- The companies have permission to act on behalf of the generating stations within their portfolios.
- Recommendations from any previous audits have been acted upon.

5.20 The audits were targeted based on criteria which include where we have concerns with a company's internal processes, the volume of stations in a company's portfolio, and where we have concerns over the accuracy of data being reported.

5.21 In 2020-21, one rent-a-roof and two agents were audited. The auditors assigned one rating of 'Satisfactory' and two 'Good'. Once reports have been issued, we work with the agents and rent-a-roof companies to address the findings from the audits.

5.22 The main findings related to:

- Inadequate processes.
- A lack of process documentation.
- Issues with user accounts and information held on the R&CHP Register.
- The robustness of the controls in place around compiling and checking the submission of data to us.

5.23 The audit reports also make recommendations for best practice, which companies are encouraged to implement. Upon issuing final audit reports, we worked with the companies to address audit findings, with all audits now being closed.

Participant Compliance

5.24 When concerns have been identified regarding the eligibility of a generating station, an investigation is undertaken to determine if compliance action is required. The compliance actions that we are able to take are outlined in the RO, ROS and NIRO legislation.⁸⁵

⁸³ Agents represent multiple generators, and act on their behalf to submit data and receive ROCs.

⁸⁴ Rent-a-roof companies offered solar PV panels to homeowners in exchange for the income generated as a result of participation in the NIRO scheme.

⁸⁵ Article 24, 25 and 90 of the RO, Article 41 and 58 of the ROS and Article 37 and 50 of the NIRO.

- 5.25 Where appropriate, if an operator fails to meet their obligations or conditions of accreditation, we may suspend their accreditation or refuse to issue ROCs before a final compliance decision has been made. During the 2020-21 obligation period we refused to issue ROCs to several generating stations before the final compliance decision was made, as these operators were unable to satisfy the requirements of an information request.
- 5.26 A total of 48 investigations were closed during 2020-21 with 7 of these cases resulting in compliance action being taken:
- We undertook two investigations that resulted in the withdrawal of RO accreditation based on a decision that materially incorrect information relating to the generating station's commissioning dates had been provided to Ofgem. In both cases the accreditation applications wrongly suggested that the generating stations were commissioned ahead of the relevant closure deadline. During the investigation into the first generating station, it was found the evidence relating to one of the commissioning tests provided during the accreditation review was incorrect in a material particular⁸⁶. Consequently, accreditation was withdrawn; the station was unable to meet the definition of commissioned and therefore was ineligible under the RO legislation. The decision was challenged under Judicial Review but was discontinued by the claimants before the case was heard in court. For the second station, we discovered that not only was the accreditation based on information which was incorrect in a material particular but there was also evidence of fraud in obtaining the accreditation in the first instance. As such the accreditation was withdrawn. This decision was also challenged under Judicial Review. However, the claim was dismissed in the High Court and later in the Court of Appeal. The total value of these decisions was £34.2 million with £4.7 million of redeemed ROCs being unrecoverable.
 - During the compliance investigations into two NIRO accredited generating stations, it was decided that these stations should be considered as one generating station. Consequently one station's RO accreditation was withdrawn, and the capacity added to the original NIRO accreditation. The NIROC banding for the original accreditation changed from 4 NIROCs per MWh to 3 NIROCs per MWh. The total value of the decision to change the NIROC banding of the stations was £5.5 million, with us refusing to issue a total of 14,979 NIROCs with an estimated value of £756,440.

⁸⁶ Article 89(3)(b) of the RO.

- The effective date of accreditation for two RO generating stations was changed as information relating to the commissioning date was incorrect in a material particular. The commissioned dates and the effective dates of accreditation were amended to reflect the commissioning evidence, and where appropriate the correct ROC bandings were assigned. The change in commissioning date for one of the stations resulted in overclaimed ROCs which were issued in 2013. However, as these ROCs were issued more than six years ago, in line with RO legislation⁸⁷, an equivalent number of ROCs were not withheld from future issue. For the other generating station we refused to issue 10,836 ROCs with an estimated value of £542,342.
- We have also been working to validate the ROC submissions of high-risk stations, such as those close to the capacity boundary of a NIROC banding⁸⁸. To ensure the correct number of ROCs are being claimed we have additional conditions on the accreditations of such stations. An investigation into one of these stations highlighted a breach in DNC which exceeded the generating station's NIROC boundary. However, as the operator put in place new measures to prevent further DNC exceedances, the investigation was closed but an additional condition was added to the generating station's accreditation.

5.27 The operators of the remaining 41 generating stations submitted satisfactory evidence which addressed the concerns raised in the investigation. Therefore, these cases were closed with no compliance action taken. Although, for two of these stations their 2018-19 banked ROCs expired due to the operator not responding to an information request ahead of the 31 August 2020 deadline.

Counter Fraud

5.28 During the 2020-21 obligation period we received 11 referrals of suspected fraud by operators who are accredited under the scheme. Of these, two were on the GB RO scheme and nine on the NIRO scheme. This is a slight decrease on the number of referrals received during the previous year.

5.29 Two of these cases, (one under the GB RO and the other under the NIRO) resulted in us opening a suspected fraud investigation.

⁸⁷ Article 25(4)(a) of the RO.

⁸⁸ NIRO ROC bandings were introduced in 2010 and 2011 and are determined by the type of technology, the date full accreditation was granted, and in some instances, the capacity of the generating station.

- 5.30 Four suspected fraud cases opened in previous reporting periods were closed during 2020/21. Where sufficient evidence of suspected fraud is identified we refer the case to Action Fraud who review the case and may pass it on to the relevant prosecutory agency such as the Serious Fraud Office, Metropolitan Police or Police Service of Northern Ireland.
- 5.31 Two of the cases that were closed in 2020-21 were linked to compliance action taken as a result of our work on Accreditations and Participant Compliance. This included refusing to accredit a pending NIRO accreditation application, and withdrawing the accreditation of a station in GB.

Safeguarding Public Funds

- 5.32 As part of our commitment to safeguarding public funds and ensuring value for money in administering the RO scheme, we have a robust system of detection and prevention of error and suspected fraud.
- 5.33 In the context of this report, 'error' is defined as the difference between what an installation could or have received in incentive payments, and what they are eligible to receive.
- 5.34 We classify error and suspected fraud as either being prevented or detected. A prevented issue refers to any money which we have prevented from being paid out because of our work. A detected issue relates to any payment which has been made to a participant for which they were not eligible.
- 5.35 **Table 5.1** shows the amount of money protected in 2020-21. We identified nearly £61.6 million in detected and prevented error during the scheme year.

Table 5.1: Detected and prevented error 2020-21

Detected Error	Prevented Error	Total 2020-21 error protected
£6,162,237.62	£55,415,112.27	£61,577,349.89

6. Generators accredited

Chapter summary

Although the Renewables Obligation scheme closed to new entrants prior to the start of the 2019-20 year, the number of accredited stations increased as we completed the accreditation assessment of a number of stations with earlier accreditation dates. On 28 October 2021 when data was extracted for this report⁸⁹, 26,599 stations had been accredited with a total generating capacity of 35.4 GW. This is an increase of 17 stations and a decrease in total capacity of 43.2 MW from the figures reported in the 2019-20 annual report. These figures are the net change in stations accredited and installed capacity. As well as stations being approved onto the scheme, the figures are affected by stations withdrawing from the scheme or the capacity of a station changing.

Data assumptions

6.1 We make a number of general assumptions on the data used within this section of the report. These assumptions, which are the same assumptions applied since the 2014-15 RO Annual Report, are as follows:

- When we refer to a station's accreditation date, we mean the date that the station's accreditation became effective regardless of when we processed the application.
- We only include data on generating stations that have received full accreditation. We have not included any information on stations with preliminary accreditation, nor those that have had their accreditation withdrawn so the data are subject to change year on year.
- References to "fuelled" generating stations relate to stations generating electricity from eligible biomass, bioliquids, biogas, energy crops or waste, but do not include landfill gas and sewage gas only stations.
- The capacities we quote are Declared Net Capacity (DNC),⁹⁰ rather than Total Installed Capacity (TIC),⁹¹ values unless specified otherwise. The main exception

⁸⁹ For information on extracting data from the public reports please refer to Appendix 4.

⁹⁰ DNC means "the maximum capacity at which the station could be operated for a sustained period without causing damage to it (assuming the source of power used by it to generate electricity was available to it without interruption) less the amount of electricity that is consumed by the plant".

⁹¹ TIC means "the maximum capacity at which the station could be operated for a sustained period without causing damage to it (assuming the source of power used by it to generate electricity was available to it without interruption)".

to this is fuelled generating stations that burn renewable fuel alongside fossil fuel (we term these co-firing stations).

- To determine the capacity of a fuelled station we estimate the renewable proportion of the electricity generated, based on an average calculated from historical data.

Micro generation

6.2 From 1 April 2010, with the introduction of the Feed-in Tariffs (FIT) scheme in GB, all wind, solar PV, hydro and anaerobic digestion (AD) stations with a DNC of 50 kW or less (micro generators) became ineligible for the RO. Since no FIT scheme exists in NI, micro generators were still able to apply for accreditation under the NIRO - most accreditations granted on the RO have been for such stations. Given this, when reporting on the number and type of stations accredited, we have separated out the micro-NIRO stations from some of the information in this chapter.

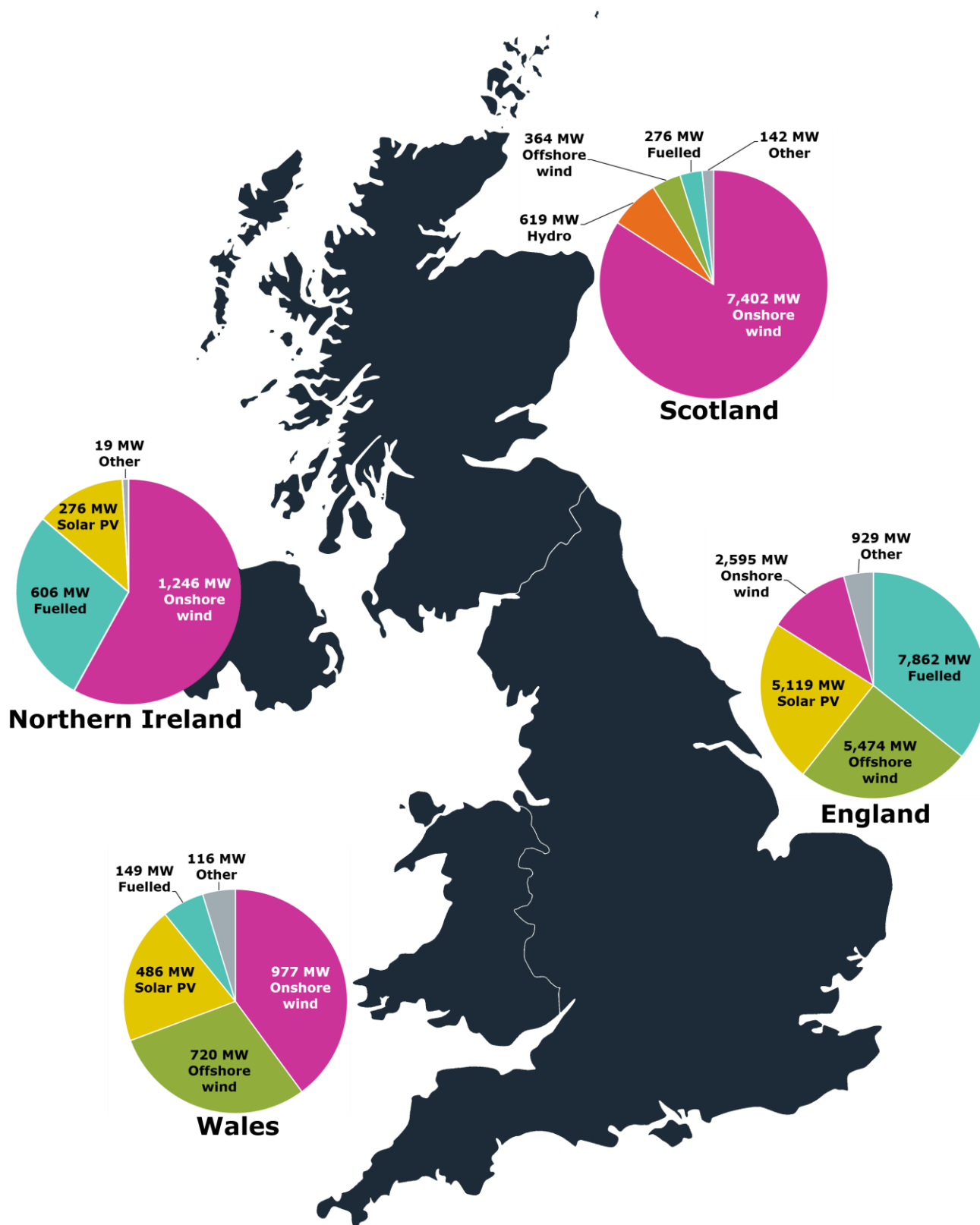
Accredited generators

6.3 There were 26,599 stations with a combined capacity of 35.4 GW accredited under the RO when data was extracted from the Renewables & CHP Register on 28 October 2021. **Table 6.1** provides a detailed breakdown of these stations by technology type and country. **Figure 6.1** gives a visual overview of the technology types with the most capacity installed in each country.

Table 6.1: Accredited stations and capacity by country and technology

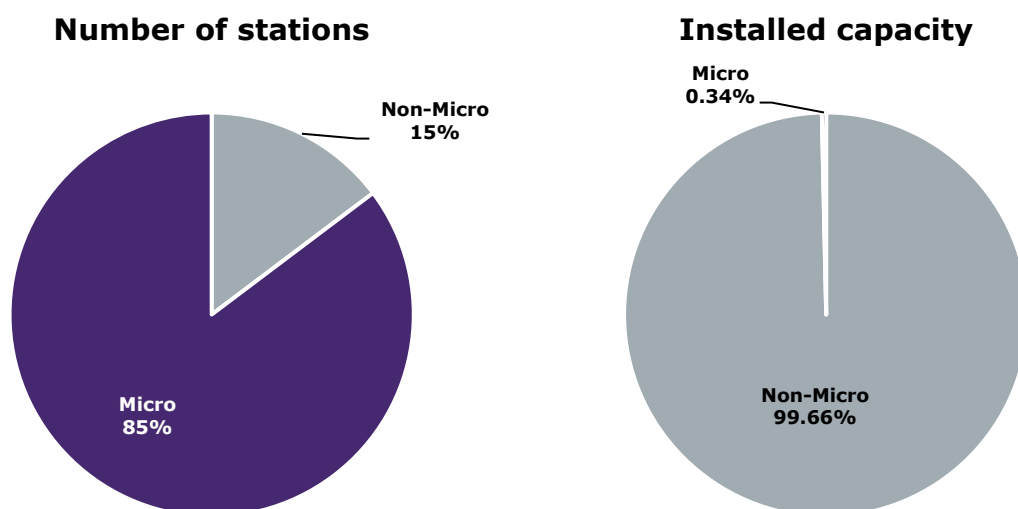
Technology type	England (Stations)	England (MW)	Scotland (Stations)	Scotland (MW)	Wales (Stations)	Wales (MW)	Northern Ireland (Stations)	Northern Ireland (MW)	Total (Stations)	Total (MW)
Onshore wind	238	2,595	253	7,402	58	977	1,292	1,246	1,841	12,220
Fuelled	404	7,862	88	276	54	149	134	606	680	8,892
Offshore wind	26	5,474	7	364	3	720	0	0	36	6,558
Solar PV	785	5,119	15	41	80	486	22,230	276	23,110	5,922
Landfill gas	371	720	38	78	17	26	8	11	434	835
Hydro	44	21	147	619	30	77	89	7	310	724
Sewage gas	152	188	6	7	16	12	0	0	174	207
Tidal stream	0	0	7	12	1	0.4	1	1	9	14
Wave Power	0	0	5	3	0	0	0	0	5	3
Total	2,020	21,979	566	8,802	259	2,448	23,754	2,147	26,599	35,376

Figure 6.1: Capacity deployed by country and technology type



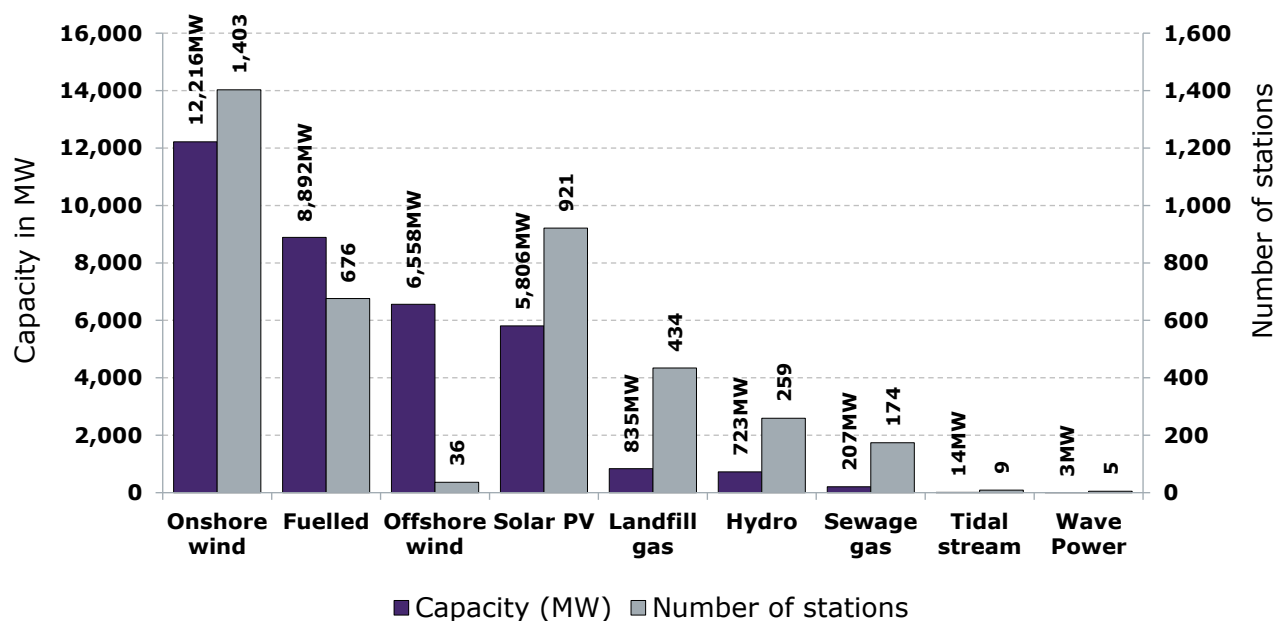
6.4 **Figure 6.2** below shows the proportion of accredited stations which are micro and non-micro. While micro stations make up 22,682 (85%) of the 26,599 total stations, they only provide 121.53 MW (0.34%) of installed capacity. Meanwhile, non-micro stations have a combined capacity of 35,254 MW.

Figure 6.2: Percentage of accredited stations and capacity – micro-NIRO vs non-micro-NIRO



6.5 **Figure 6.3** provides a snapshot of the capacity accredited under the scheme (excluding micro-NIRO) and the corresponding number of stations. Onshore wind has the most capacity (12,216 MW) and number of stations (1,403) giving an average capacity of 8.71 MW. Offshore wind, which has a total of 6,558 MW and only 36 stations, has a much larger average capacity of 182.17 MW. Fuelled and solar PV stations also have relatively large average capacities – 13.15 MW and 6.30 MW respectively. The average size of stations for the other technology types are smaller - hydro (2.79 MW), landfill gas (1.92 MW), tidal stream (1.52 MW), sewage gas (1.19 MW) and wave power (0.67 MW).

Figure 6.3: Total accredited capacity and number of stations by technology (excluding micro-NIRO)



6.6 As shown in **Table 6.2** by far the most common micro-NIRO technology is solar PV, making up 97.8% of all micro accreditations and accounting for 96.0% of installed micro capacity. After this, onshore wind is the most common technology making up about 1.9% of stations and 3.1% of installed capacity.

Table 6.2: Micro NIRO accredited capacity and number of stations by technology

	Solar PV	Onshore wind	Hydro	Fuelled
Sum of capacity (MW)	116.6	3.8	0.9	0.2
Number of stations	22,189	438	51	4

Accreditations and withdrawals

6.7 One of our key duties as scheme administrators is to assess applications for accreditation against the scheme eligibility criteria. The scheme closed to most new generation capacity on 31 March 2017, and to all new generation capacity on 31 January 2019. It has not been possible for stations to have an accreditation date after this,⁹² however, we

⁹² [Link to information on the RO closure](https://www.ofgem.gov.uk/environmental-programmes/ro/about-ro/ro-closure): <https://www.ofgem.gov.uk/environmental-programmes/ro/about-ro/ro-closure>

continue to assess the eligibility of some applications with accreditation dates prior to 31 January 2019.

6.8 As shown in **Figures 6.4 & 6.5**, since the last annual report the number of stations accredited on the scheme has grown by 17 and the total capacity installed has dropped by 43.2 MW. Please note that these figures are the net change in stations accredited and installed capacity (including micro-NIRO). The totals can be affected by stations or additional capacity being approved onto the scheme, as well as by stations withdrawing from the scheme or the capacity of a station changing (for example, as a result of decommissioning a wind turbine, a capacity correction following an audit or us taking compliance action). This is why **Figures 6.4 & 6.5** below show reductions in the number of stations and capacity for some countries and technology types.

Figure 6.4: Accredited station and capacity change by country (net change)

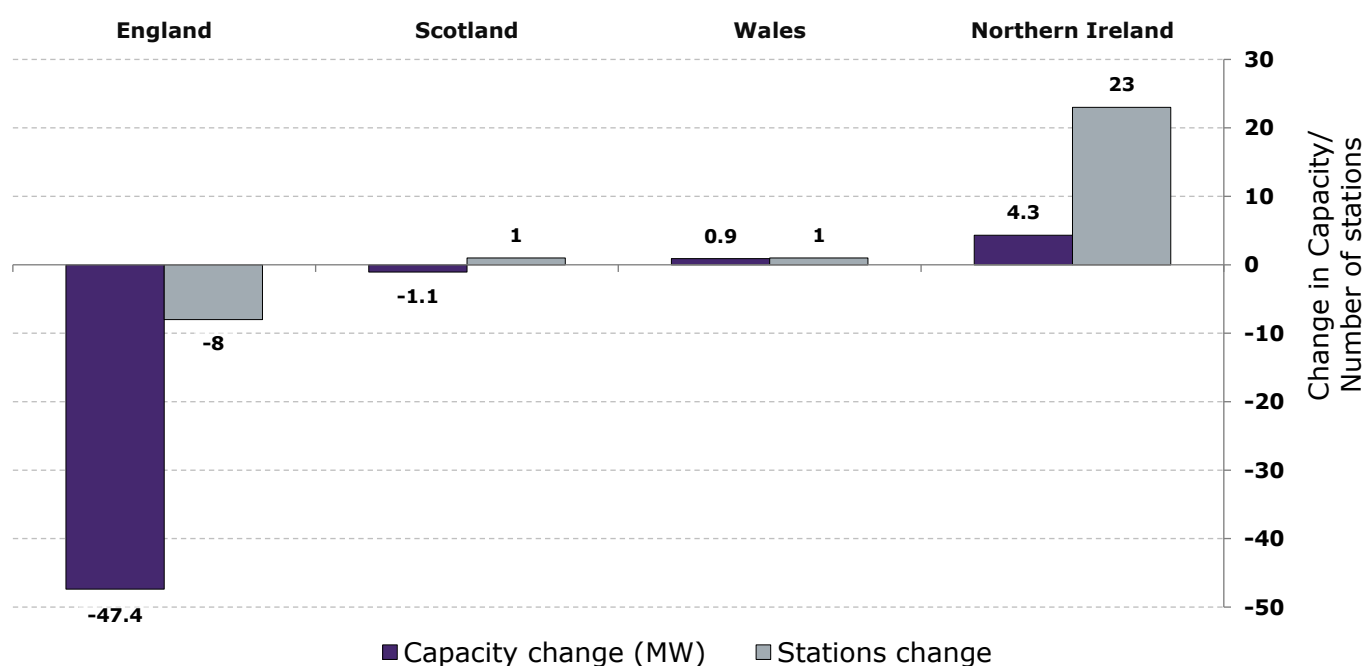
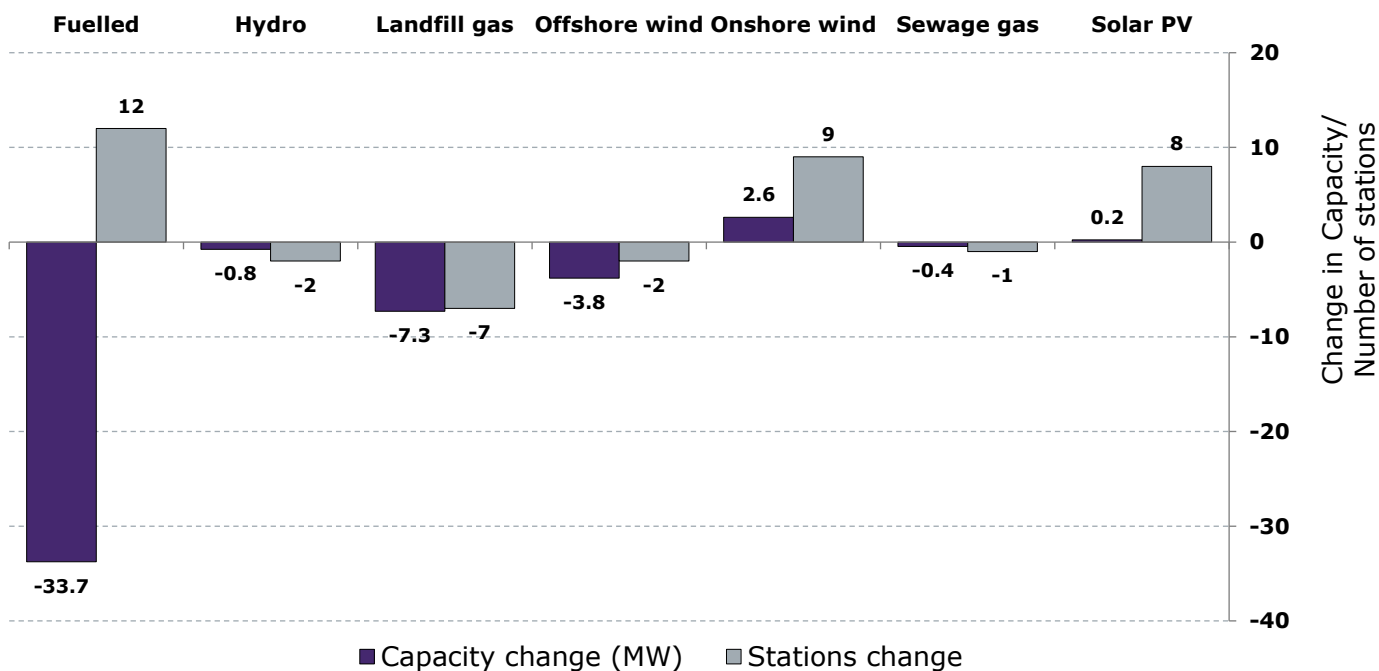


Figure 6.5: Accredited station and capacity change by technology (net change)



Application refusals

6.9 During an application assessment, if it is demonstrated that the applicant does not meet the eligibility criteria then we will look to refuse the application. A total of 13 applications with an estimated value of £11.8 million were refused on this basis during 2020-21.

7. Our Administration

Chapter summary

This chapter provides detail on our administration activity during 2020-21. We perform several functions as administrator of the scheme, including accrediting generating stations, issuing certificates, and ensuring compliance of generators and electricity suppliers. To provide transparency and to ensure that we are providing a good service we track our performance, and in addition to the information published here we also publish performance metrics on our website each month.⁹³

Applications

- 7.1 Following the closure of the final grace period⁹⁴ for applications on 31 January 2019 for GB RO and 31 March 2018 for NIRO, our workload has shifted towards processing amendments. Despite the change in focus, we continue to process the remaining applications for accreditation. These are complex applications and require more in-depth assessment.
- 7.2 As of the end of October 2021, we had a queue of 27 applications remaining, the majority of which will be determined in 2021-22.

Amendments

- 7.3 As the scheme and the installations accredited to the scheme mature, we receive more amendments. Amendments can vary from simple meter replacements to substantial changes, including replacement equipment and relocation. We anticipate this area of work will increase in coming years.
- 7.4 As outlined in **Table 7.1** below, we processed 574 amendments during the 2020-21 scheme year. Of these amendments, 62.5% were for Micro NIRO installations.

⁹³ [Link to webpage on scheme performance indicators](https://www.ofgem.gov.uk/environmental-and-social-schemes): <https://www.ofgem.gov.uk/environmental-and-social-schemes>

⁹⁴ [Link to information on grace periods](https://www.ofgem.gov.uk/environmental-and-social-schemes/renewables-obligation-ro/ro-closure): <https://www.ofgem.gov.uk/environmental-and-social-schemes/renewables-obligation-ro/ro-closure>

Table 7.1: RO scheme amendments 2020-21

Scheme year	Amendments processed	Key Performance Indicator (KPI)	Performance against KPI
2020-21	574	Transactions processed within 10 working days	97.4%

ROCs issued

7.5 As shown in **Table 7.2** below, we issued 96.3% ROCs in the 2020-21 scheme year on time. We achieved our KPI target of issuing 95% of ROCs in all months apart from July 2021, due to late data submissions from generators.

7.6 The current methodology of calculating this KPI is impacted by the submission of late data by operators. Therefore, we are considering changes to more accurately represent the number of ROCs issued by the deadline, where the data was provided by the agreed date.

Table 7.2: ROCs issued on time 2020-21

Scheme Year	Key Performance Indicator (KPI)	Performance against KPI
2020-21	Issue ROCs within 17 working days (Apr-Jun)* and 12 working days (Jul-Mar).	96.3%

*During the first three months of the scheme year an extra five days is allocated for ROC issue. This is due to increased workload including GB/NI Fuel Mix Disclosure.

Enquiries

7.7 We receive enquiries related to ongoing participant compliance, the processing of applications and amendments, and more general queries regarding the scheme. As seen in **Table 7.3**, 514 telephone calls and 1,849 email enquiries were received in 2020-21.

Table 7.3: RO scheme enquiry KPIs 2020-21

Enquiry	Key Performance Indicator (KPI)	Received	Met KPI	Performance against KPI
Telephone Enquiries	85% calls answered/no more than 15% abandoned**	514	499	97.1%
Email Enquiries	80% of email enquiries responded to within 10 working days	1,849	1,808	97.8%

**Abandoned calls are calls which are ended or disconnected before a conversation takes place.

- 7.8 We exceeded our performance targets for enquiries in 2020-21, with 97.1% of telephone enquiries answered and 97.8% of email enquiries receiving a response within 10 working days.
- 7.9 As part of our response to COVID-19 and the transition to our staff working from home, we reduced our phone line availability to two hours per day in March 2020. This increased to three hours in May, and then six hours in November. These changes led to an increase in email enquiries as a more accessible means of contact for participants.

Register updates

- 7.10 During 2020-21, a limited number of changes were made to the Register. All amendments were undertaken so that we could continue to meet our legislative duties.

Guidance updates

- 7.11 Between April 2020 and December 2021, we published the following documents:

- [Link to 'Renewables and CHP Register User Guide' \(Published April 2020\)](#)
This document was updated to include information on unsupported/excluded capacity.
<<https://www.ofgem.gov.uk/publications-and-updates/renewables-and-chp-register-user-guide>>
- [Link to 'Renewables Obligation: fuel measurement and sampling guidance' \(Published April 2020\)](#)
This document has been updated to include additional information on unsupported/excluded capacity.
<<https://www.ofgem.gov.uk/publications-and-updates/renewables-obligation-fuel-measurement-and-sampling-guidance-0>>
- [Link to 'Audits of Renewables Obligation \(RO\) Generating Stations' \(Published May 2020\)](#)
This announced that from 2020-21, we will commence a new annual audit programme, which will be carried out alongside the existing targeted audit programme.
<<https://www.ofgem.gov.uk/publications-and-updates/audits-renewables-obligation-ro-generating-stations>>
- [Link to 'Renewables Obligation: Guidance for suppliers' \(Published July 2020 and April 2021\)](#)
This document provides guidance for all GB and NI licensed electricity suppliers under the Renewables Obligation. This document was updated in July 2020 to provide additional information and clarity surrounding the redistribution of the late payment and mutualisation funds and which suppliers are entitled to receive money from these.

Guidance was also added on how we treat payments received from suppliers after the RO late payment deadline.

This document was updated again in April 2021 to reflect changes to the calculation methodology for the mutualisation threshold. This is in line with the Renewables Obligation (Amendment) Order 2021, which came into force on 31 March 2021

<<https://www.ofgem.gov.uk/publications/renewables-obligation-guidance-suppliers>>

- [Link to 'Guidance for generators: Co-location of electricity storage facilities with renewable generation supported under the Renewables Obligation or Feed-in Tariff schemes V3' \(Published July 2020\)](#)

This guidance is for participants of the RO and FIT schemes on co-locating storage with their accredited RO generating station or FIT installation.

<<https://www.ofgem.gov.uk/publications-and-updates/guidance-generators-co-location-electricity-storage-facilities-renewable-generation-supported-under-renewables-obligation-or-feed-tariff-schemes-0>>

- [Link to 'Renewables Obligation: Guidance for adding capacity following scheme closure' \(Published September 2020\)](#)

This document has been updated to provide further guidance around adding capacity after the closure of the scheme.

<https://www.ofgem.gov.uk/system/files/docs/2020/09/ro_generator_guidance_subsidary_doc_0.pdf>

- [Link to 'Banked ROCs FAQ' \(Published November 2020\)](#)

This document provides a brief overview of 2019-20 banked ROCs and the impact on applications, output data submissions and certificates transfer.

<<https://www.ofgem.gov.uk/publications-and-updates/banked-rocs-faq>>

- [Link to 'Renewable Obligation Certificate \(ROC\) Issue Schedule 2021/2022' \(Published March 2021\)](#)

This document lists the deadlines for data submission for the purpose of issuing ROCs, and the dates by which Ofgem intends to issue ROCs for the period April 2021 – March 2022.

<<https://www.ofgem.gov.uk/publications/renewable-obligation-certificate-roc-issue-schedule-20212022>>

- [Link to 'Guidance for organisations on presenting Guarantees of Origin \(GoOs\) for use in GB Fuel Mix Disclosure \(FMD\) and Feed-in Tariffs \(FIT\) annual levelisation' \(Published May 2021 and February 2022\)](#)

This is the latest version of this guidance document which has been updated reflect changes to implicit trading following the end of the transition period for exit from the EU.

<<https://www.ofgem.gov.uk/publications/guidance-organisations-presenting-guarantees-origin-goos-use-gb-fuel-mix-disclosure-fmd-and-feed-tariffs-fit-annual-levelisation>>

- [Link to 'Northern Ireland Renewables Obligation FAQ – Microgenerators'](#) (**Published October 2021**)

This document is for operators of generating stations with a capacity of 50kW or less accredited under the Northern Ireland Renewables Obligation (NIRO). It provides a brief overview of the process of claiming support under the scheme and your responsibilities as an operator. This guidance is intended for micro-generators using an agent.

<<https://www.ofgem.gov.uk/publications/northern-ireland-renewables-obligation-faq-microgenerators>>

- [Link to 'Ofgem costs for administering the Renewables Obligation \(RO\)'](#) (**Published October 2021**)

This letter sets out our proposed administration costs for the Renewables Obligation for 2021-22.

<<https://www.ofgem.gov.uk/publications/ofgem-costs-administering-renewables-obligation>>

- [Link to '2020/21 Banked ROCs FAQ'](#) (**Published November 2021**)

This document provides a brief overview of 2020-21 banked ROCs and the impact on applications, output data submissions and certificates transfer.

<<https://www.ofgem.gov.uk/publications/202021-banked-rocs-faq>>

7.12 Additionally, during 2021-22, we reviewed the RO guidance documents to ensure that they reflect the scheme closure and will signpost correctly to the new register.

8. Changes to the scheme

Amendments came into force in December 2020, relating to the end of the transition period following the UK's exit from the EU. BEIS introduced changes to the mutualisation threshold in March 2021 and BEIS and Ofgem have also consulted on options to address supplier payment default under the RO. The Scottish Government has also consulted on changes to mutualisation arrangements to align the RO Scotland legislation with England and Wales.

End of Transition Period Regulations

8.1 The 'Guarantees of Origin of Electricity Produced from High-efficiency cogeneration and Renewables Obligation (Amendment) (EU Exit) Regulations 2020'⁹⁵, amend the UK-wide RO Orders to ensure that the scheme continues to operate in line with EU Regulations retained in UK law. The changes came into force at the end of the transition period on 31 December 2020, following the UK's exit from the EU on 31 January 2020.

Changes to mutualisation arrangements

- 8.2 BEIS consulted⁹⁶ in December 2020 and introduced changes to the mutualisation threshold under the RO in England and Wales, which took effect from the 2021-22 obligation period. The changes moved the mutualisation threshold from its fixed position of £15.4m to a variable sum of 1% of the annual cost of the scheme to suppliers which will be re-calculated each year. The Renewables Obligation (Amendment) Order 2021⁹⁷, which implemented the changes to the mutualisation threshold, came into force on 31 March 2021.
- 8.3 Alongside the December 2020 mutualisation consultation, BEIS issued a call for evidence on a revised approach to the way in which the mutualisation amount is calculated once mutualisation has been triggered. The response to this will be published in due course.

⁹⁵ [Link to the Guarantees of Origin of Electricity Produced from High-efficiency Cogeneration and Renewables Obligation \(Amendment\) \(EU Exit\) Regulations 2020:](https://www.legislation.gov.uk/uksi/2020/849/contents/made)

<<https://www.legislation.gov.uk/uksi/2020/849/contents/made>>

⁹⁶ [Link to Renewables obligation: changes to mutualisation arrangements:](https://www.gov.uk/government/consultations/renewables-obligation-changes-to-mutualisation-arrangements)

<<https://www.gov.uk/government/consultations/renewables-obligation-changes-to-mutualisation-arrangements>>

⁹⁷ [Link to the Renewables Obligation \(Amendment\) Order 2021:](https://www.legislation.gov.uk/uksi/2021/415/contents/made)

<<https://www.legislation.gov.uk/uksi/2021/415/contents/made>>

- 8.4 BEIS and Ofgem published a joint consultation⁹⁸ in August 2021 on the options for addressing electricity supplier payment default under the RO in England and Wales. The consultation sought views on measures through both legislation and the electricity supply licence. The consultation also sought views on the introduction of a fixed price certificate based scheme as a way of addressing supplier payment default. The summary of responses to this consultation and proposed next steps is expected to be published in Spring 2022.
- 8.5 In November 2021, the Scottish Government published a consultation⁹⁹ on introducing changes to mutualisation arrangements under the ROS scheme. The consultation proposed to align the RO Scotland legislation with England and Wales. The changes would move the mutualisation threshold from its current fixed position of £1.54m to a variable sum, linked to the annual cost of the scheme to suppliers. The consultation also considered a range of options for tackling the supplier payment default and sought stakeholders' views on these options. The Scottish Government have analysed the responses to the consultation and is expected to be published in Spring 2022.

⁹⁸ [Link to closed consultation: Renewables Obligation \(RO\): addressing electricity supplier payment default under the RO scheme:](https://www.gov.uk/government/consultations/renewables-obligation-ro-addressing-electricity-supplier-payment-default-under-the-ro-scheme) <https://www.gov.uk/government/consultations/renewables-obligation-ro-addressing-electricity-supplier-payment-default-under-the-ro-scheme>

⁹⁹ [Link to Renewables Obligation \(Scotland\) scheme changes: consultation:](https://www.gov.scot/publications/changes-renewables-obligation-scotland-scheme-consultation-changes-mutualisation-arrangements-address-electricity-supplier-payment-default-under-ro-s-scheme/) <https://www.gov.scot/publications/changes-renewables-obligation-scotland-scheme-consultation-changes-mutualisation-arrangements-address-electricity-supplier-payment-default-under-ro-s-scheme/>

Appendix 1 – Compliance by licensed suppliers

Table A1.1: Summary of compliance by supplier group in 2020-21 (all jurisdictions)

Supplier group	Obligation (ROCs)	Total ROCs presented	Total payments made	Redistributions
3T Power Limited	13,439	13,439	£0.00	£59,475.00
Affect Energy Ltd	9,827	0	£491,841.35	£0.00
Ampoweruk Ltd	76,832	5,099	£0.00	£19,738.00
Avro Energy Ltd	1,120,213	0	£0.00	£0.00
AXPO UK Ltd	340,799	340,799	£0.00	£1,508,310.00
BES Commercial Electricity Ltd	139,339	139,339	£0.00	£616,685.00
Blue Green Energy	10,906	0	£545,845.30	£0.00
Bristol Energy	62,389	0	£3,122,569.45	£0.00
British Gas Trading Ltd	12,991,029	12,991,029	£0.00	£57,495,877.00
Brook Green Trading Ltd	406,841	300,000	£5,347,392.05	£1,327,742.00
Bryt Energy Ltd	810,345	807,475	£143,643.50	£3,573,731.00
Budget Energy Limited	60,393	60,393	£0.00	£267,285.00
Bulb Energy Ltd	3,620,719	2,341,132	£64,043,329.35	£10,361,413.00
Business Power and Gas Ltd	185,394	0	£9,278,970.00	£0.00
Click Energy	21,262	0	£1,070,874.93	£0.00
CNG Electricity Ltd	4,616	0	£231,030.80	£0.00
Colorado Energy	17,646	0	£0.00	£0.00
Conrad Energy (Holdings) Ltd	1,764	0	£88,288.20	£0.00
Co-Operative Energy Ltd	255	0	£12,762.75	£0.00
Corona Energy Retail 4 Ltd	209,965	209,965	£0.00	£929,263.00
Coulomb Energy Supply Ltd	40,215	0	£2,012,760.75	£0.00
Daisy Energy Supply Limited	104,273	0	£0.00	£0.00
Delta Gas And Electricity	7,613	0	£0.00	£0.00
D-energi Trading Ltd	27	0	£1,351.35	£0.00
E (Gas and Electricity) Ltd	265,504	265,504	£0.00	£1,175,068.00
E.ON Energy Ltd	6,992,747	6,992,747	£0.00	£30,948,596.00
E.ON Next Supply Ltd	927,339	927,339	£0.00	£4,104,228.00
E.ON UK Plc	4,535,172	4,535,172	£0.00	£20,071,826.00
Eco Green Management Ltd	26,462	26,462	£0.00	£117,113.00
Ecotricity	525,577	285,258	£12,027,965.95	£1,262,496.00
EDF Energy Customers Ltd	18,987,437	18,352,596	£31,773,792.05	£81,225,176.00
Edgware Energy Ltd	31,451	0	£1,574,122.55	£0.00
Effortless Energy Ltd	5,806	0	£0.00	£0.00
Electraphase Limited	8	0	£0.00	£0.00

Renewables Obligation (RO)

Supplier group	Obligation (ROCs)	Total ROCs presented	Total payments made	Redistributions
Electric Ireland (ESBIE NI Ltd)	328,770	328,770	£0.00	£1,455,071.00
Electricity Plus Supply Ltd	1,036,338	1,036,338	£0.00	£4,586,636.00
ElectroRoute Supply Ltd	14,141	241	£695,695.00	£1,063.00
Eneco energy Trade BV	214,293	214,293	£0.00	£948,418.00
Energia Customer Solutions NI Limited	119,218	119,218	£0.00	£527,633.00
ENGIE Power Ltd	2,789,460	2,789,460	£0.00	£12,345,629.00
Enstroga Ltd	18,885	0	£0.00	£0.00
EPG Energy Ltd	18,103	0	£906,055.15	£0.00
ESB Energy Ltd	178,495	178,495	£0.00	£789,983.00
Euston Energy Ltd	2,421	0	£122,154.18	£0.00
Evermore ES (Trading as: Bright Energy)	53	53	£0.00	£232.00
F & S Energy Ltd	53,208	6,694	£2,333,614.69	£29,624.00
Farringdon Energy Ltd	1,060	0	£53,058.30	£0.00
Flexitricity Ltd	2,615	0	£131,063.62	£0.00
Flow Energy Ltd	2	0	£100.39	£0.00
Foxglove Energy Supply Ltd	210,268	0	£10,538,199.16	£0.00
Gas and Power Ltd T/A HUB Energy	61,177	0	£0.00	£0.00
Gazprom Marketing & Trading Retail Ltd	196,634	196,634	£0.00	£870,263.00
Go Effortless (new name Whoop Energy)	1,125	0	£0.00	£0.00
Go Power (LCC Power Limited)	107,907	102,633	£263,963.70	£454,232.00
Good Energy Ltd	258,986	258,986	£0.00	£1,146,220.00
Goto Energy (UK) Ltd	49,398	0	£0.00	£0.00
Green Energy (UK) plc	42,886	42,886	£0.00	£189,803.00
Green Network Energy LTD	597,259	0	£7,497,000.00	£0.00
Green Supplier Ltd	197,158	0	£0.00	£0.00
HARTREE PARTNERS SUPPLY (UK) Ltd	3,437	3,437	£0.00	£15,208.00
Haven Power Ltd	4,907,973	4,907,973	£0.00	£21,721,774.00
Home Energy Trading Ltd	45	0	£2,263.26	£0.00
I Supply Energy Ltd	18,270	0	£914,413.50	£0.00
Igloo Energy Supply Ltd	312,987	0	£0.00	£0.00
Kensington Power Ltd	230,644	172,741	£2,898,045.15	£764,518.00
Limejump Energy Ltd	3,237	3,237	£0.00	£14,323.00
Logicor Energy Ltd	185	0	£9,259.25	£0.00
MA Energy Ltd	29,770	0	£550,644.50	£0.00
Marble Power Ltd	136,347	0	£6,852,296.42	£0.00
Maxen Power supply Ltd	12,034	0	£602,301.72	£0.00

Renewables Obligation (RO)

Supplier group	Obligation (ROCs)	Total ROCs presented	Total payments made	Redistributions
Mint	1,449	0	£72,522.45	£0.00
Mississippi Energy Ltd	5	0	£250.25	£0.00
MoneyPlus Energy	22,019	0	£0.00	£0.00
MVV Environment Services Ltd	11,512	0	£576,175.60	£0.00
Nabuh Energy Ltd	70,479	0	£0.00	£0.00
Naturgy Limited	5,562	0	£278,378.10	£0.00
Neon Reef Ltd	6,976	0	£0.00	£0.00
Octopus Energy Ltd	3,287,995	810,694	£123,988,915.05	£3,587,978.00
Omni Energy Ltd	1,134	1,134	£0.00	£4,388.00
Opus Energy Group Ltd	1,601,694	1,601,694	£0.00	£7,088,794.00
Orbit Energy Ltd	117,123	117,123	£0.00	£518,361.00
Orsted Power Sales (UK) Ltd	1,748,217	1,748,217	£0.00	£7,737,279.00
OVO Electricity Ltd	7,191,131	7,191,131	£0.00	£31,826,606.00
P3P ENERGY SUPPLY Ltd	1,980	0	£99,099.00	£0.00
People's Energy (Supply) Ltd	476,935	0	£0.00	£0.00
PFM Energy Supplies Ltd	104,248	0	£0.00	£0.00
Power NI (NIE Energy Ltd)	442,202	442,202	£0.00	£1,957,101.00
Power4All Ltd	462,944	0	£23,173,598.22	£0.00
Pozitive Energy Ltd	441,043	10,351	£22,009,437.45	£45,808.00
Pure Planet Ltd	369,184	0	£3,039,337.55	£0.00
PX Supply Limited	1,146	0	£57,357.30	£0.00
Robin Hood Energy Ltd	89,343	0	£0.00	£0.00
RWE Npower Plc	11,106,467	11,012,661	£4,694,990.30	£48,739,982.00
Scottish Power Energy Retail Ltd	8,017,239	8,017,239	£0.00	£35,482,807.00
Shell Energy Retail Ltd	1,350,806	1,350,806	£0.00	£5,978,414.00
Shell Energy Supply UK Ltd	233,045	233,045	£0.00	£1,031,411.00
Shell Energy UK	491,627	491,627	£0.00	£2,175,848.00
Simplicity Energy Limited	91,357	0	£0.00	£0.00
Simply Your Energy Ltd	3,475	0	£0.00	£0.00
SmartestEnergy Business Ltd	213,952	213,952	£0.00	£946,910.00
SmartestEnergy Ltd	2,812,392	2,812,392	£0.00	£12,447,121.00
SO Energy Trading Ltd	451,609	3,603	£22,422,700.30	£15,944.00
Social Energy Supply Ltd	10,550	0	£528,027.50	£0.00
Square1 Energy	35	0	£1,751.75	£0.00
Squeaky Clean Energy Ltd	119,743	119,654	£4,454.54	£529,565.00
SSE Airtricity Energy Supply Limited	259,692	259,692	£0.00	£1,149,345.00
SSE Energy Supply Ltd	6,084,386	4,845,522	£62,005,143.20	£21,445,378.00

Renewables Obligation (RO)

Supplier group	Obligation (ROCs)	Total ROCs presented	Total payments made	Redistributions
Statkraft Markets GmbH	2,192	0	£109,709.60	£0.00
Switch Business Gas and Power Ltd	2,099	0	£105,054.95	£0.00
Symbio Energy Ltd	105,668	0	£0.00	£0.00
Together Energy Ltd	247,800	0	£0.00	£0.00
Tonik Energy Limited	99,756	0	£0.00	£0.00
Total Gas & Power Ltd	4,273,637	4,273,637	£0.00	£18,914,321.00
Tradelink Solutions Ltd	233	233	£0.00	£1,028.00
Tru Energy Ltd	16,121	0	£806,856.05	£0.00
UK Power Reserve Ltd	2,298	2,298	£0.00	£10,167.00
Unify Energy Ltd	46,100	5,509	£2,031,579.55	£24,378.00
United Gas & Power Ltd	75,885	0	£3,798,044.25	£0.00
Utilita Energy Ltd	1,346,995	610,000	£36,979,377.83	£2,699,744.00
Utility Point Ltd	300,593	0	£13,191.11	£0.00
Valda Energy Ltd	9,543	9,543	£0.00	£42,233.00
Vattenfall Energy Trading GmbH	14,431	14,431	£0.00	£63,866.00
Verastar Ltd	103,527	103,527	£0.00	£458,188.00
Wilton Energy Ltd	5,693	5,693	£0.00	£25,194.00
Zebra Power Ltd	29,083	0	£1,455,604.12	£0.00
Zog Energy Ltd	1	0	£50.05	£0.00
Total	119,090,744	105,263,447	£474,388,274.39	£465,872,811.00

Table A1.2: Compliance by licensee¹⁰⁰ with an obligation in England & Wales

Licence	Obligation (ROCs)	Total ROCs presented	Bioliq ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Affect Energy Ltd	9,797	0	0	0	£490,339.85	£0.00
Ampoweruk Ltd	70,942	5,099	0	3,760	£0.00	£0.00
Avro Energy Ltd	1,092,765	0	0	0	£0.00	£0.00
AXPO UK Ltd	321,971	321,971	3,300	21,399	£0.00	£0.00
BES Commercial Electricity Ltd	127,186	127,186	0	0	£0.00	£0.00
Blue Green Energy	10,775	0	0	0	£539,288.75	£0.00
Bristol Energy Technology & Services (Supply) Ltd	59,566	0	0	0	£2,981,278.30	£0.00
British Gas Trading Ltd	12,019,315	12,019,315	208,913	25,610	£0.00	£0.00
Brook Green Trading Ltd	385,181	300,000	0	0	£4,263,309.05	£0.00
Bryt Energy Ltd	766,996	764,126	0	0	£143,643.50	£0.00
Bulb Energy Ltd	3,219,034	1,939,447	0	90	£64,043,329.35	£0.00
Business Power and Gas Ltd	173,319	0	0	0	£8,674,616.00	£0.00
CNG Electricity Ltd	4,443	0	0	0	£222,372.15	£0.00
Colorado Energy	17,150	0	0	0	£0.00	£0.00
Conrad Energy (Trading) Ltd	1,764	0	0	0	£88,288.20	£0.00
Co-Operative Energy Ltd	249	0	0	0	£12,462.45	£0.00
Corona Energy Retail 4 Ltd	190,676	190,676	0	0	£0.00	£0.00
Coulomb Energy Supply Ltd	40,215	0	0	0	£2,012,760.75	£0.00
Daisy Energy Supply Limited	103,171	0	0	0	£0.00	£0.00
Delta Gas And Power Ltd	6,610	0	0	0	£0.00	£0.00
D-energi Trading Ltd	27	0	0	0	£1,351.35	£0.00
E (Gas and Electricity) Ltd	238,435	238,435	0	0	£0.00	£0.00
E.ON Energy Ltd	6,647,136	6,647,136	0	1,216	£0.00	£0.00
E.ON Next Supply Ltd	898,558	898,558	0	0	£0.00	£0.00
E.ON UK Plc	4,324,200	4,324,200	0	0	£0.00	£0.00
Ecotricity	508,237	267,918	0	126	£12,027,965.95	£0.00
EDF Energy Customers Ltd	17,075,920	16,441,079	4,531	0	£31,773,792.05	£0.00

¹⁰⁰ The name of each Licensee in Tables A1.2 to A1.4 refers to a Licence group that is owned by its parent company (Supplier Group). For a complete list of supplier groups and their licences, please contact: REcompliance@ofgem.gov.uk

Renewables Obligation (RO)

Licence	Obligation (ROCs)	Total ROCs presented	Bioliqid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Effortless Energy Ltd	5,608	0	0	0	£0.00	£0.00
Electraphase Limited	8	0	0	0	£0.00	£0.00
Electricity Plus Supply Ltd	988,765	988,765	0	0	£0.00	£0.00
ElectroRoute Energy Trading Ltd	14,141	241	0	0	£695,695.00	£0.00
Eneco energy Trade BV	197,361	197,361	0	2,264	£0.00	£0.00
ENGIE Power Ltd	2,591,846	2,591,846	0	12,169	£0.00	£0.00
Enstroga Ltd	17,496	0	0	0	£0.00	£0.00
Entice Energy	3,042	0	0	0	£0.00	£0.00
EPG Energy Ltd	17,823	0	0	0	£892,041.15	£0.00
ESB Energy Ltd	168,600	168,600	0	42,150	£0.00	£0.00
Euston Energy Ltd	2,196	0	0	0	£0.00	£110,800.09
F & S Energy Ltd	51,299	6,694	0	34	£2,238,069.24	£0.00
Farringdon Energy Ltd	937	0	0	0	£46,846.80	£0.00
Flexitricity Ltd	2,615	0	0	0	£0.00	£131,063.62
Flow Energy Ltd	2	0	0	0	£0.00	£100.39
Foxglove Energy Supply Ltd	191,661	0	0	0	£6,218,712.10	£3,388,206.71
Gas and Power Ltd T/A HUB Energy	55,791	0	0	0	£0.00	£0.00
Gazprom Marketing & Trading Retail Ltd	185,225	185,225	0	17,870	£0.00	£0.00
Go Effortless	550	0	0	0	£0.00	£0.00
Good Energy Ltd	245,882	245,882	0	1,133	£0.00	£0.00
Goto Energy (UK) Ltd	42,445	0	0	0	£0.00	£0.00
Green Energy (UK) Plc	41,220	41,220	0	37	£0.00	£0.00
Green Network Energy LTD	540,377	0	0	0	£7,497,000.00	£0.00
Green Supplier Ltd	181,916	0	0	0	£0.00	£0.00
HARTREE PARTNERS SUPPLY (UK) Ltd	3,437	3,437	0	0	£0.00	£0.00
Haven Power Ltd	4,654,663	4,654,663	0	0	£0.00	£0.00
Home Energy Trading Ltd	44	0	0	0	£0.00	£2,212.97
I Supply Energy	16,843	0	0	0	£842,992.15	£0.00
Igloo Energy Supply Ltd	301,909	0	0	0	£0.00	£0.00
Limejump Energy Ltd	3,150	3,150	0	418	£0.00	£0.00
Logicor Energy Ltd	179	0	0	0	£8,958.95	£0.00
MA Energy Ltd	26,880	0	0	0	£256,000.00	£150,000.00

Renewables Obligation (RO)

Licence	Obligation (ROCs)	Total ROCs presented	Bioliqid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Marble Power Ltd	119,551	0	0	0	£2,571,394.28	£3,440,262.34
Maxen Power supply Ltd	10,484	0	0	0	£524,724.21	£0.00
Mississippi Energy Ltd	5	0	0	0	£250.25	£0.00
MoneyPlus Energy	17,545	0	0	0	£0.00	£0.00
MVV Environment Services Ltd	7,230	0	0	0	£361,861.50	£0.00
Nabuh Energy Ltd	63,122	0	0	0	£0.00	£0.00
Neon Reef Ltd	6,431	0	0	0	£0.00	£0.00
Npower Ltd	8,509,875	8,431,854	5,207	20,007	£3,904,951.05	£0.00
Npower Northern Ltd	154,0365	1,526,242	0	0	£706,856.15	£0.00
Npower Yorkshire Ltd	181,251	179,589	0	0	£83,183.10	£0.00
Octopus Energy Ltd	3,055,532	810,694	0	0	£112,354,141.90	£0.00
Omni Energy Ltd	1,032	1,032	0	0	£0.00	£0.00
Opus Energy (Corporate) Ltd	716,681	716,681	0	11,304	£0.00	£0.00
Opus Energy Ltd	761,404	761,404	0	0	£0.00	£0.00
Orbit Energy Ltd	109,674	109,674	0	0	£0.00	£0.00
Orsted Power Sales (UK) Ltd	1,529,449	1,529,449	1,105	15,071	£0.00	£0.00
Ovo Energy	6,100,321	6,100,321	732	0	£0.00	£0.00
P3P ENERGY SUPPLY Ltd	1,980	0	0	0	£99,099.00	£0.00
People's Energy (Supply) Ltd	430,214	0	0	0	£0.00	£0.00
PFP Energy Supplies Ltd	86,319	0	0	0	£0.00	£0.00
Power4All Ltd	408,105	0	0	0	£0.00	£20,428,521.22
Positive Energy Ltd	425,576	9,057	0	9,057	£21,300,078.80	£0.00
Pure Planet Ltd	333,433	0	0	0	£0.00	£1,250,000.00
PX Supply Limited	1,146	0	0	0	£57,357.30	£0.00
Robin Hood Energy Ltd	85,736	0	0	0	£0.00	£0.00
RWE	30,037	0	0	0	£1,503,351.85	£0.00
Scottish Power Energy Retail Ltd	6,526,762	6,526,762	0	148,157	£0.00	£0.00
Shell Energy Retail Ltd	1,275,824	1,275,824	5,784	37,521	£0.00	£0.00
Shell Energy Supply UK Ltd	150,329	150,329	0	0	£0.00	£0.00
Shell Energy UK	459,801	459,801	0	3,143	£0.00	£0.00
Simplicity Energy Limited	90,617	0	0	0	£0.00	£0.00

Renewables Obligation (RO)

Licence	Obligation (ROCs)	Total ROCs presented	Bioliqid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Sinq Power Ltd	67,489	67,489	0	0	£0.00	£0.00
SmartestEnergy Business Ltd	194,411	194,411	0	0	£0.00	£0.00
SmartestEnergy Ltd	2,665,972	2,665,972	5,987	14,169	£0.00	£0.00
SO Energy Trading Ltd	408,715	3,603	0	0	£20,275,855.60	£0.00
Social Energy Supply Ltd	10,223	0	0	0	£511,661.15	£0.00
SQUARE1 ENERGY	34	0	0	0	£1,701.70	£0.00
Squeaky Clean Energy Ltd	106,868	106,868	0	0	£0.00	£0.00
SSE PLC	5,320,941	4,082,077	0	0	£62,005,143.20	£0.00
Statkraft Markets GmbH	1,552	0	0	0	£77,677.60	£0.00
Switch Business Gas and Power Ltd	1,940	0	0	0	£97,097.00	£0.00
Symbio Energy Ltd	97,657	0	0	0	£0.00	£0.00
Together Energy (Retail) Ltd	228,591	0	0	0	£0.00	£0.00
Tonik Energy Limited	92,894	0	0	0	£0.00	£0.00
Total Gas & Power Ltd	4,011,655	4,011,655	0	303,205	£0.00	£0.00
Toucan Energy Ltd	1,449	0	0	0	£72,522.45	£0.00
Tradelink Solutions Ltd	233	233	0	55	£0.00	£0.00
Tru Energy Ltd	16,085	0	0	0	£805,054.25	£0.00
UK Power Reserve Ltd	2,298	2,298	0	0	£0.00	£0.00
Unify Energy Ltd	46,084	5,509	87	0	£2,030,778.75	£0.00
United Gas & Power Ltd	70,907	0	0	0	£3,548,895.35	£0.00
Utilita Energy Ltd	1,208,429	471,434	0	0	£12,886,599.75	£24,092,778.08
Utility Point Ltd	280,132	0	0	0	£0.00	£12,612.57
Valda Energy Ltd	8,536	8,536	0	0	£0.00	£0.00
Vattenfall Energy Trading GmbH	14,273	14,273	0	0	£0.00	£0.00
Wilton Energy Ltd	5,693	5,693	0	0	£0.00	£0.00
Yorkshire Gas & Power	24,365	24,365	0	16	£0.00	£0.00
Yu Energy trading as Kensington Power Ltd	221,084	172,741	0	0	£2,419,567.15	£0.00
Zebra Power Ltd	25,916	0	0	0	£1,297,095.80	£0.00
Zog Energy Ltd	1	0	0	0	£50.05	£0.00
Total	107,037,807	93,998,100	235,646	689,981	£395,468,062.28	£53,006,557.99

Table A1.3: Compliance by licensee¹⁰¹ with an obligation in Scotland

License	Obligation (ROCs)	Total ROCs presented	Bioliqid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Affect Energy Ltd	30	0	0	0	£1,501.50	£0.00
Ampoweruk Ltd	5,890	0	0	0	£0.00	£0.00
Avro Energy Ltd	27,448	0	0	0	£0.00	£0.00
AXPO UK Ltd	18,828	18,828	0	0	£0.00	£0.00
BES Commercial Electricity Ltd	12,153	12,153	0	0	£0.00	£0.00
Blue Green Energy	131	0	0	0	£6,556.55	£0.00
Bristol Energy Technology & Services (Supply) Ltd	2,823	0	0	0	£141,291.15	£0.00
British Gas Trading Ltd	971,714	971,714	16,204	0	£0.00	£0.00
Brook Green Trading Ltd	21,660	0	0	0	£1,084,083.00	£0.00
Bryt Energy Ltd	43,349	43,349	0	0	£0.00	£0.00
Bulb Energy Ltd	401,685	401,685	0	0	£0.00	£0.00
Business Power and Gas Ltd	12,075	0	0	0	£604,354.00	£0.00
CNG Electricity Ltd	173	0	0	0	£8,658.65	£0.00
Colorado Energy	496	0	0	0	£0.00	£0.00
Co-Operative Energy Ltd	6	0	0	0	£300.30	£0.00
Corona Energy Retail 4 Ltd	19,289	19,289	0	0	£0.00	£0.00
Daisy Energy Supply Limited	1,102	0	0	0	£0.00	£0.00
Delta Gas And Power Ltd	1,003	0	0	0	£0.00	£0.00
E (Gas and Electricity) Ltd	27,069	27,069	0	0	£0.00	£0.00
E.ON Energy Ltd	345,611	345,611	0	0	£0.00	£0.00
E.ON Next Supply Ltd	28,781	28,781	0	0	£0.00	£0.00
E.ON UK Plc	210,972	210,972	0	0	£0.00	£0.00
Ecotricity	17,340	17,340	0	0	£0.00	£0.00
EDF Energy Customers Ltd	1,911,517	1,911,517	4,445	175,064	£0.00	£0.00
Effortless Energy Ltd	198	0	0	0	£0.00	£0.00
Electricity Plus Supply Ltd	47,573	47,573	0	0	£0.00	£0.00
Eneco energy Trade BV	16,932	16,932	0	0	£0.00	£0.00
ENGIE Power Ltd	197,614	197,614	0	0	£0.00	£0.00
Enstroga Ltd	1,389	0	0	0	£0.00	£0.00
Entice Energy	433	0	0	0	£0.00	£0.00
EPG Energy Ltd	280	0	0	0	£14,014.00	£0.00
ESB Energy Ltd	9,895	9,895	0	2,473	£0.00	£0.00

¹⁰¹ The name of each Licensee in Tables A1.2 to A1.4 refers to a Licence group that is owned by its parent company (Supplier Group). For a complete list of supplier groups and their licences, please contact: REcompliance@ofgem.gov.uk

Renewables Obligation (RO)

License	Obligation (ROCs)	Total ROCs presented	Bioliqoid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Euston Energy Ltd	225	0	0	0	£0.00	£11,354.09
F & S Energy Ltd	1,909	0	0	0	£95,545.45	£0.00
Farringdon Energy Ltd	123	0	0	0	£6,211.50	£0.00
Foxglove Energy Supply Ltd	18,607	0	0	0	£931,280.35	£0.00
Gas and Power Ltd T/A HUB Energy	5,386	0	0	0	£0.00	£0.00
Gazprom Marketing & Trading Retail Ltd	11,409	11,409	0	0	£0.00	£0.00
Go Effortless	575	0	0	0	£0.00	£0.00
Good Energy Ltd	13,104	13,104	0	2,979	£0.00	£0.00
Goto Energy (UK) Ltd	6,953	0	0	0	£0.00	£0.00
Green Energy (UK) Plc	1,666	1,666	0	0	£0.00	£0.00
Green Network Energy LTD	56,882	0	0	0	£0.00	£0.00
Green Supplier Ltd	15,242	0	0	0	£0.00	£0.00
Haven Power Ltd	253,310	253,310	0	6,018	£0.00	£0.00
Home Energy Trading Ltd	1	0	0	0	£0.00	£50.29
I Supply Energy	1,427	0	0	0	£71,421.35	£0.00
Igloo Energy Supply Ltd	11,078	0	0	0	£0.00	£0.00
Limejump Energy Ltd	87	87	0	20	£0.00	£0.00
Logicor Energy Ltd	6	0	0	0	£300.30	£0.00
MA Energy Ltd	2,890	0	0	0	£144,644.50	£0.00
Marble Power Ltd	16,796	0	0	0	£840,639.80	£0.00
Maxen Power supply Ltd	1,550	0	0	0	£77,577.51	£0.00
MoneyPlus Energy	4,474	0	0	0	£0.00	£0.00
MVV Environment Services Ltd	4,282	0	0	0	£214,314.10	£0.00
Nabuh Energy Ltd	7,357	0	0	0	£0.00	£0.00
Neon Reef Ltd	545	0	0	0	£0.00	£0.00
Npower Ltd	800,489	800,489	449	0	£0.00	£0.00
Npower Northern Ltd	74,461	74,461	0	0	£0.00	£0.00
Npower Yorkshire Ltd	26	26	0	0	£0.00	£0.00
Octopus Energy Ltd	232,463	0	0	0	£11,634,773.15	£0.00
Omni Energy Ltd	102	102	0	0	£0.00	£0.00
Opus Energy (Corporate) Ltd	63,450	63,450		6	£0.00	£0.00
Opus Energy Ltd	60,159	60,159	0	0	£0.00	£0.00
Orbit Energy Ltd	7,449	7,449	0	0	£0.00	£0.00
Orsted Power Sales (UK) Ltd	218,768	218,768	60	0	£0.00	£0.00
Ovo Energy	1,090,810	1,090,810	0	0	£0.00	£0.00
People's Energy (Supply) Ltd	46,721	0	0	0	£0.00	£0.00
PFP Energy Supplies Ltd	17,929	0	0	0	£0.00	£0.00
Power4All Ltd	54,839	0	0	0	£0.00	£2,745,077.00

Renewables Obligation (RO)

License	Obligation (ROCs)	Total ROCs presented	Bioliq ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
Pozitive Energy Ltd	15,467	1,294	0	647	£709,358.65	£0.00
Pure Planet Ltd	35,751	0	0	0	£0.00	£1,789,337.55
Robin Hood Energy Ltd	3,607	0	0	0	£0.00	£0.00
RWE	1,414	0	0	0	£70,770.70	£0.00
Scottish Power Energy Retail Ltd	1,490,477	1,490,477	0	0	£0.00	£0.00
Shell Energy Retail Ltd	74,982	74,982	0	0	£0.00	£0.00
Shell Energy Supply UK Ltd	82,716	82,716	0	0	£0.00	£0.00
Shell Energy UK	31,826	31,826	0	0	£0.00	£0.00
Simplicity Energy Limited	740	0	0	0	£0.00	£0.00
Sinq Power Ltd	36,038	36,038	0	0	£0.00	£0.00
SmartestEnergy Business Ltd	19,541	19,541	0	0	£0.00	£0.00
SmartestEnergy Ltd	146,420	146,420	44	9,588	£0.00	£0.00
SO Energy Trading Ltd	42,894	0	0	0	£2,146,844.70	£0.00
Social Energy Supply Ltd	327	0	0	0	£16,366.35	£0.00
SQUARE1 ENERGY	1	0	0	0	£50.05	£0.00
Squeaky Clean Energy Ltd	12,875	12,786	0	0	£4,454.54	£0.00
SSE PLC	763,445	763,445	0	9,302	£0.00	£0.00
Statkraft Markets GmbH	640	0	0	0	£32,032.00	£0.00
Switch Business Gas and Power Ltd	159	0	0	0	£7,957.95	£0.00
Symbio Energy Ltd	8,011	0	0	0	£0.00	£0.00
Together Energy (Retail) Ltd	19,209	0	0	0	£0.00	£0.00
Tonik Energy Limited	6,862	0	0	0	£0.00	£0.00
Total Gas & Power Ltd	261,982	261,982	0	19,801	£0.00	£0.00
Tru Energy Ltd	36	0	0	0	£1,801.80	£0.00
Unify Energy Ltd	16	0	0	0	£800.80	£0.00
United Gas & Power Ltd	4,978	0	0	0	£249,148.90	£0.00
Utilita Energy Ltd	138,566	138,566	0	17,795	£0.00	£0.00
Utility Point Ltd	20,461	0	0	0	£0.00	£578.54
Valda Energy Ltd	1,007	1,007	0	0	£0.00	£0.00
Vattenfall Energy Trading GmbH	158	158	0	0	£0.00	£0.00
Yorkshire Gas & Power	2,097	2,097	0	0	£0.00	£0.00
Yu Energy trading as Kensington Power Ltd	9,560	0	0	0	£478,478.00	£0.00
Zebra Power Ltd	3,167	0	0	0	£158,508.32	£0.00
Totals	10,694,439	9,938,947	21,202	243,693	£19,754,039.92	£4,546,397.47

Table A1.4: Compliance by licensee¹⁰² with the RO (Northern Ireland)

License	Obligation (ROCs)	Total ROCs presented	Bioliqid ROCs presented	Banked ROCs presented	Buyout Payments Made	Late Payments Made
3T Power Ltd	13,439	13,439	0	15	£0.00	£0.00
Bright Energy	53	53	0	0	£0.00	£0.00
Budget Energy Ltd	60,393	60,393	0	546	£0.00	£0.00
Click Energy	21,262	0	0	0	£250,000.00	£820,874.93
Electric Ireland	328,770	328,770	0	12,036	£0.00	£0.00
LCC Power Ltd	107,907	102,633	0	853	£263,963.70	£0.00
Naturgy Ltd	5,562	0	0	0	£278,378.10	£0.00
Power NI Energy Ltd	442,202	442,202	0	100,319	£0.00	£0.00
SSE Airtricity Energy Supply Ltd	259,692	259,692	0	0	£0.00	£0.00
Viridian Energy Supply Ltd	119,218	119,218	0	2,656	£0.00	£0.00
Totals	1,358,498	1,326,400	0	116,425	£792,341.80	£820,874.93

Table A1.5: Summary of qualifying and non-qualifying bioliqid ROCs presented by suppliers towards their obligations since the 2013-14 RO year

Compliance Period (CP)/ RO Year	No. of Bioliqid ROCs submitted by suppliers which are exempt from the 4% cap	No. of Bioliqid ROCs submitted by suppliers which are included in the 4% cap	Total qualifying and non-qualifying Bioliqid ROCs presented
CP12 – 2013-14	851,836	143,498	995,334
CP13 – 2014-15	874,999	29,301	904,300
CP14 – 2015-16	1,352,131	58,973	1,411,104
CP15 – 2016-17	1,707,067	87,290	1,794,357
CP16 – 2017-18	2,180,927	181,429	2,362,356
CP17 – 2018-19	2,659,159	254,106	2,913,265
CP18 – 2019-20	2,718,830	235,812	2,954,642
CP19 – 2020-21	2,853,221	256,848	3,110,069

¹⁰² The name of each Licensee in Tables A1.2 to A1.4 refers to a Licence group that is owned by its parent company (Supplier Group). For a complete list of supplier groups and their licences, please contact: REcompliance@ofgem.gov.uk

Table A1.6: Suppliers with an obligation who did not meet the 1 June 2021 deadline to submit estimate supply volumes

Supplier Group
Affect Energy Limited
Mississippi Energy Limited
Orsted Power Sales (UK) Ltd
Symbio Energy Limited

Table A1.7: Suppliers with an obligation who did not meet the 1 July 2021 deadline to submit final supply volumes

Supplier Group
Avro Energy Ltd
Co-Operative Energy Ltd
Euston Energy Ltd
Foxglove Energy Supply Ltd
Goto Energy (UK) Ltd
Home Energy Trading Ltd
Logicor Energy Ltd

Appendix 2 – Mutualisation payments

Table A2.1: RO mutualisation payments received¹⁰³ 2017-18

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Affect Energy Limited	£25,062.12	£6,265.53	£6,265.53	£6,265.53	£6,265.53	£25,062.12
Ampoweruk Limited	£355.31	£88.83	£88.83	£266.49	£0.00	£444.15
Avid Energy Limited	£178.17	£178.17	£0.00	£0.00	£0.00	£178.17
Avro Energy Limited	£90,947.98	£22,737.00	£22,737.00	£22,737.00	£22,737.00	£90,948.00
Axis Telecom Limited	£6,572.20	£6,572.20	£0.00	£0.00	£0.00	£6,572.20
AXPO UK Limited	£227,891.65	£56,972.91	£56,972.91	£56,972.91	£56,972.91	£227,891.64
BES Commercial Electricity Limited	£90,283.44	£22,570.86	£22,570.86	£22,570.86	£22,570.86	£90,283.44
BP Energy Europe Limited	£2,913.64	£2,913.64	£0.00	£0.00	£0.00	£2,913.64
Breeze Energy Supply Limited	£4,573.46	£1,143.36	£1,143.36	£0.00	£0.00	£2,286.72
Brilliant Energy Supply Ltd	£5,038.33	£0.00	£0.00	£0.00	£0.00	£0.00
Bristol Energy Technology & Services (Supply) Limited	£47,610.46	£11,902.61	£11,902.61	£11,902.61	£11,902.61	£47,610.44
British Gas Trading Limited	£6,081,871.91	£1,520,467.98	£1,520,467.98	£1,520,467.98	£1,520,467.98	£6,081,871.92
Brook Green Trading Limited	£23,136.59	£5,784.15	£5,784.15	£5,784.15	£5,784.15	£23,136.60
Bruntwood Energy Services Limited	£1,653.67	£1,653.67	£0.00	£0.00	£0.00	£1,653.67
Bryt Energy Limited (prev. Bullion Energy Limited)	£71,592.83	£17,898.21	£17,898.21	£17,898.21	£17,898.21	£71,592.84
Bulb Energy Ltd	£131,575.12	£32,893.78	£32,893.78	£32,893.78	£32,893.78	£131,575.12
Business Power and Gas Limited	£17,634.41	£4,408.60	£4,408.60	£4,408.60	£4,408.60	£17,634.40
CNG Electricity Limited	£22.01	£5.50	£5.50	£5.50	£5.50	£22.00
Co-Operative Energy Limited	£322,769.03	£80,692.26	£80,692.26	£80,692.26	£80,692.26	£322,769.04
Corona Energy Retail 5 Limited	£65,200.33	£16,300.08	£16,300.08	£16,300.08	£16,300.08	£65,200.32
Coulomb Energy Supply Limited	£14,640.39	£3,660.10	£3,660.10	£3,660.10	£3,660.10	£14,640.40
Dong Energy Power Sales UK Limited	£578,290.86	£144,572.72	£144,572.72	£144,572.72	£144,572.72	£578,290.88
Dual Energy Direct Limited	£147,366.94	£36,841.73	£73,683.46	£0.00	£36,841.73	£147,366.92

¹⁰³ Where a supplier's licence has been revoked with payments due, we will seek to make a claim with the relevant administrators for the outstanding balances. Any suppliers which are active and fail to pay by the relevant deadline are referred to our Enforcement team for consideration. Any suppliers that have overpaid are refunded.

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
E (Gas and Electricity) Limited	£90,862.48	£22,715.62	£22,715.62	£22,715.62	£22,715.62	£90,862.48
E.ON Energy Solutions Limited	£3,741,023.50	£935,255.87	£935,255.87	£935,255.87	£935,255.87	£3,741,023.48
E.ON UK Plc	£2,935,405.18	£733,851.29	£733,851.29	£733,851.29	£733,851.29	£2,935,405.16
Eco Green Management Ltd	£1,658.79	£2,073.50	£1,244.10	£0.00	£0.00	£3,317.60
Eddington Energy Supply Limited	£7,906.92	£1,976.73	£1,976.73	£1,976.73	£1,976.73	£7,906.92
EDF Energy Customers Plc	£8,134,523.32	£2,033,630.83	£2,033,630.83	£2,033,630.83	£2,033,630.83	£8,134,523.32
Effortless Energy Ltd	£1,447.35	£1,447.35	£0.00	£0.00	£0.00	£1,447.35
Electraphase Ltd	£2,345.35	£0.00	£0.00	£0.00	£0.00	£0.00
Electricity Plus Supply Limited	£422,843.96	£105,710.99	£105,710.99	£105,710.99	£105,710.99	£422,843.96
Eneco energy Trade BV	£76,583.03	£19,145.76	£19,145.76	£19,145.76	£19,145.76	£76,583.04
ENGIE Power Limited	£1,896,889.64	£474,222.41	£474,222.41	£474,222.41	£474,222.41	£1,896,889.64
Enstroga Ltd	£3,455.82	£3,455.82	£0.00	£0.00	£0.00	£3,455.82
EPG Energy Limited	£5,333.23	£1,333.31	£1,333.31	£1,333.31	£1,333.31	£5,333.24
ESB Energy Limited	£1,864.61	£1,864.61	£0.00	£0.00	£0.00	£1,864.61
Eversmart Energy Limited	£4,662.54	£0.00	£0.00	£0.00	£0.00	£0.00
F & S Energy Limited	£19,001.89	£4,750.47	£4,750.47	£4,750.47	£4,750.47	£19,001.88
Farmoor Energy Limited	£33,281.34	£8,320.34	£8,320.34	£8,320.34	£8,320.34	£33,281.36
First Utility Limited	£583,871.88	£145,967.97	£145,967.97	£145,967.97	£145,967.97	£583,871.88
Flow Energy Limited	£109,894.58	£27,473.65	£27,473.65	£27,473.65	£27,473.65	£109,894.60
Foxglove Energy Supply Limited (T/A Fischer Energy)	£12,323.20	£3,080.80	£3,080.80	£3,080.80	£3,080.80	£12,323.20
Gazprom Marketing & Trading Retail Limited	£252,239.57	£63,059.89	£63,059.89	£63,059.89	£63,059.89	£252,239.56
Genergy Limited	£9,095.72	£2,273.93	£2,273.93	£2,273.93	£0.00	£6,821.79
Good Energy Limited	£95,182.00	£23,795.50	£23,795.50	£23,795.50	£23,795.50	£95,182.00
Greater London Authority	£266.23	£266.23	£0.00	£0.00	£0.00	£266.23
Green Energy (UK) plc	£20,657.10	£5,164.28	£5,164.28	£5,164.28	£5,164.28	£20,657.12
Green Network Energy Limited	£55,834.28	£13,958.57	£13,958.57	£13,958.57	£13,958.57	£55,834.28
Haven Power Limited	£2,780,397.04	£695,099.26	£695,099.26	£695,099.26	£695,099.26	£2,780,397.04
Huddle Energy Limited	£1,505.71	£376.43	£376.43	£376.43	£376.43	£1,505.72
Hudson Energy Supply UK Limited	£451,602.02	£112,900.50	£112,900.50	£112,900.50	£112,900.50	£451,602.00

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
I Supply Energy Limited	£121,603.92	£30,400.98	£30,400.98	£30,400.98	£30,400.98	£121,603.92
Igloo Energy Supply Limited	£1,876.38	£1,876.38	£0.00	£0.00	£0.00	£1,876.38
Kensington Power Limited	£70,842.78	£17,710.70	£17,710.70	£17,710.70	£17,710.70	£70,842.80
Limejump Energy Ltd	£3,013.99	£753.50	£753.50	£753.50	£753.50	£3,014.00
MA Energy Limited	£21,810.07	£5,452.52	£5,452.52	£5,452.52	£5,452.52	£21,810.08
Marble Power Limited	£59,362.80	£14,840.70	£14,840.70	£14,840.70	£14,840.70	£59,362.80
Marigold Energy Supply Limited	£2.56	£0.64	£2.56	£0.00	£0.00	£3.20
MVV Environment Services Limited	£2,723.19	£2,723.20	£0.00	£0.00	£0.00	£2,723.20
Nabuh Energy Ltd	£1,280.45	£320.11	£320.11	£320.11	£320.11	£1,280.44
Npower Direct Limited	£278,574.97	£69,643.74	£69,643.74	£69,643.74	£69,643.74	£278,574.96
Npower Limited	£5,733,521.10	£1,433,380.28	£1,433,380.28	£1,433,380.28	£1,433,380.28	£5,733,521.12
Npower Northern Supply Limited	£1,355,298.57	£338,824.64	£338,824.64	£338,824.64	£338,824.64	£1,355,298.56
Npower Yorkshire Supply Limited	£161,084.75	£40,271.19	£40,271.19	£40,271.19	£40,271.19	£161,084.76
Octopus Energy Limited	£93,840.63	£23,460.16	£23,460.16	£23,460.16	£23,460.16	£93,840.64
Opus Energy (Corporate) Limited	£427,214.68	£106,803.67	£106,803.67	£106,803.67	£106,803.67	£427,214.68
Opus Energy Limited	£426,858.85	£106,714.71	£106,714.71	£106,714.71	£106,714.71	£426,858.84
Orbit Energy Limited	£82.43	£82.44	£0.00	£0.00	£0.00	£82.44
Our Power Energy Supply Limited	£0.51	£0.00	£0.00	£0.00	£0.00	£0.00
OVO Electricity Limited	£611,766.76	£152,941.69	£152,941.69	£152,941.69	£152,941.69	£611,766.76
People's Energy Supply Limited	£1,200.07	£300.02	£300.02	£300.02	£300.02	£1,200.08
PFP Energy Supplies Limited	£67,600.97	£16,900.24	£16,900.24	£16,900.24	£16,900.24	£67,600.96
Planet 9 Energy Limited	£1,712.55	£0.00	£856.28	£0.00	£0.00	£856.28
Power4All Limited	£216,249.38	£54,062.34	£54,062.34	£54,062.34	£54,062.34	£216,249.36
Pozitive Energy Ltd	£22,649.19	£5,662.30	£5,662.30	£5,662.30	£5,662.30	£22,649.20
Pure Planet Limited	£5,208.31	£5,208.31	£0.00	£0.00	£0.00	£5,208.31
Robin Hood Energy Limited	£61,264.79	£15,316.20	£15,316.20	£15,316.20	£15,316.20	£61,264.80
Rose Energy Supply Limited	£1.54	£1.54	£0.00	£0.00	£0.00	£1.54
Scottish Power Energy Retail Limited	£3,674,144.92	£918,536.23	£918,536.23	£918,536.23	£918,536.23	£3,674,144.92
Shell Energy Supply UK Limited	£5.12	£1.28	£1.28	£1.28	£1.28	£5.12

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Sinq Power Limited	£11,046.34	£2,761.58	£2,761.58	£2,761.58	£2,761.58	£11,046.32
SmartestEnergy Limited	£1,413,397.31	£353,349.33	£353,349.33	£353,349.33	£353,349.33	£1,413,397.32
SO Energy Trading Limited	£33,094.99	£8,273.75	£8,273.75	£8,273.75	£8,273.75	£33,095.00
Solarplicity Supply Limited	£20,897.73	£0.00	£0.00	£0.00	£0.00	£0.00
Squeaky Clean Energy Limited	£4,631.31	£1,157.83	£1,157.83	£1,157.83	£1,170.09	£4,643.58
SSE Energy Supply Limited	£6,285,453.53	£1,571,363.38	£1,571,363.38	£1,571,363.38	£1,571,363.38	£6,285,453.52
Statkraft Markets GmbH	£4.10	£4.08	£0.00	£0.00	£0.00	£4.08
Switch Business Gas and Power Ltd	£300.02	£75.00	£75.00	£75.00	£75.00	£300.00
Symbio Energy LLP (TA Symbio Energy Ltd)	£138.23	£34.56	£34.56	£34.56	£34.56	£138.24
The Renewable Energy Company Limited	£150,263.17	£37,565.79	£37,565.79	£37,565.79	£37,565.79	£150,263.16
Together Energy Supply Limited	£8,513.61	£2,128.40	£2,128.40	£2,128.40	£2,128.40	£8,513.60
Tonik Energy Limited	£18,443.84	£4,610.96	£4,610.96	£4,610.96	£4,610.96	£18,443.84
Total Gas & Power Limited	£1,848,702.19	£462,175.55	£462,175.55	£462,175.55	£462,175.55	£1,848,702.20
TOTO Energy Limited	£39,437.82	£9,859.46	£0.00	£0.00	£0.00	£9,859.46
Tradelink Solutions Limited	£132.09	£33.02	£33.02	£33.02	£33.02	£132.08
UK Power Reserve Limited	£1,426.87	£1,426.88	£0.00	£0.00	£0.00	£1,426.88
Usio Energy Supply Limited	£92.67	£0.00	£0.00	£0.00	£0.00	£0.00
Utilita Energy Limited	£411,807.86	£102,951.97	£102,951.97	£102,951.97	£102,951.97	£411,807.88
Utility Point Limited	£365.04	£365.04	£0.00	£0.00	£0.00	£365.04
Wilton Energy Limited	£31,106.99	£31,106.99	£0.00	£0.00	£0.00	£31,106.99
Zebra Power Limited (previously Bor Energy)	£1,994.14	£1,994.14	£0.00	£0.00	£0.00	£1,994.14
Totals	£53,411,185.21	£13,393,123.22	£13,356,993.60	£13,280,241.50	£13,314,555.07	£53,344,913.39

Table A2.2: ROS mutualisation payments received¹⁰⁴ 2017-18

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Affect Energy Limited	£33.37	£8.34	£8.34	£8.34	£8.34	£33.36
Avro Energy Limited	£3,040.55	£760.14	£760.14	£760.14	£760.14	£3,040.56
Axis Telecom Limited	£334.50	£334.50	£0.00	£0.00	£0.00	£334.50
AXPO UK Limited	£11,203.62	£2,800.90	£2,800.90	£2,800.90	£2,800.90	£11,203.60
BES Commercial Electricity Limited	£7,652.67	£1,913.17	£1,913.17	£1,913.17	£1,913.17	£7,652.68
Breeze Energy Supply Limited	£51.49	£12.87	£12.87	£0.00	£0.00	£25.74
Bristol Energy Technology & Services (Supply) Limited	£1,655.19	£413.80	£413.80	£413.80	£413.80	£1,655.20
British Gas Trading Limited	£429,938.78	£107,484.69	£107,484.69	£107,484.69	£107,484.69	£429,938.76
Brook Green Trading Limited	£1,497.82	£374.46	£374.46	£374.46	£374.46	£1,497.84
Bruntwood Energy Services Limited	£12.77	£12.76	£0.00	£0.00	£0.00	£12.76
Bryt Energy Limited (prev. Bullion Energy Limited)	£7,729.70	£1,932.42	£1,932.42	£1,932.42	£1,932.42	£7,729.68
Bulb Energy Ltd	£15,233.24	£3,808.31	£3,808.31	£3,808.31	£3,808.31	£15,233.24
Business Power and Gas Limited	£649.22	£162.31	£162.31	£162.31	£162.31	£649.24
Co-Operative Energy Limited	£14,890.51	£3,722.63	£3,722.63	£3,722.63	£3,722.63	£14,890.52
Corona Energy Retail 5 Limited	£3,739.21	£934.80	£934.80	£934.80	£934.80	£3,739.20
Dong Energy Power Sales UK Limited	£34,887.87	£8,721.97	£8,721.97	£8,721.97	£8,721.97	£34,887.88
Dual Energy Direct Limited	£14,849.72	£3,712.43	£7,424.86	£0.00	£3,712.43	£14,849.72
E (Gas and Electricity) Limited	£4,853.92	£1,213.48	£1,213.48	£1,213.48	£1,213.48	£4,853.92
E.ON Energy Solutions Limited	£169,996.95	£42,499.24	£42,499.24	£42,499.24	£42,499.24	£169,996.96
E.ON UK Plc	£121,163.98	£30,291.00	£30,291.00	£30,291.00	£30,291.00	£121,164.00
Eco Green Management Ltd	£105.05	£131.66	£78.78	£0.00	£0.00	£210.44
Eddington Energy Supply Limited	£1,017.91	£254.48	£254.48	£254.48	£254.48	£1,017.92
EDF Energy Customers Plc	£797,106.09	£199,276.52	£199,276.52	£199,276.52	£199,276.52	£797,106.08

¹⁰⁴ Where a supplier's licence has been revoked with payments due, we will seek to make a claim with the relevant administrators for the outstanding balances. Any suppliers which are active and fail to pay by the relevant deadline are referred to our Enforcement team for consideration. Any suppliers that have overpaid are refunded.

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Effortless Energy Ltd	£30.07	£30.07	£0.00	£0.00	£0.00	£30.07
Electricity Plus Supply Limited	£15,896.88	£3,974.22	£3,974.22	£3,974.22	£3,974.22	£15,896.88
Eneco energy Trade BV	£957.36	£239.34	£239.34	£239.34	£239.34	£957.36
ENGIE Power Limited	£148,871.27	£37,217.82	£37,217.82	£37,217.82	£37,217.82	£148,871.28
Enstroga Ltd	£290.01	£290.01	£0.00	£0.00	£0.00	£290.01
EPG Energy Limited	£45.31	£11.33	£11.33	£11.33	£11.33	£45.32
ESB Energy Limited	£63.85	£63.85	£0.00	£0.00	£0.00	£63.85
Eversmart Energy Limited	£179.61	£0.00	£0.00	£0.00	£0.00	£0.00
F & S Energy Limited	£731.20	£731.20	£548.40	£0.00	£0.00	£1,279.60
Farmoor Energy Limited	£4,381.84	£1,095.46	£1,095.46	£1,095.46	£1,095.46	£4,381.84
First Utility Limited	£26,824.91	£6,706.23	£6,706.23	£6,706.23	£6,706.23	£26,824.92
Flow Energy Limited	£9,589.62	£2,397.41	£2,397.41	£2,397.41	£2,397.40	£9,589.63
Foxglove Energy Supply Limited (T/A Fischer Energy)	£1,445.92	£361.48	£361.48	£361.48	£361.48	£1,445.92
Gazprom Marketing & Trading Retail Limited	£8,611.26	£2,152.81	£2,152.81	£2,152.81	£2,152.81	£8,611.24
Genergy Limited	£193.61	£48.40	£48.40	£48.40	£0.00	£145.20
Good Energy Limited	£4,977.10	£1,244.27	£1,244.27	£1,244.27	£1,244.27	£4,977.08
Green Energy (UK) plc	£659.93	£164.98	£164.98	£164.98	£164.98	£659.92
Green Network Energy Limited	£3,845.90	£961.48	£961.48	£961.48	£961.48	£3,845.92
Haven Power Limited	£183,196.43	£45,799.11	£45,799.11	£45,799.11	£45,799.11	£183,196.44
Hudson Energy Supply UK Limited	£36,548.82	£9,137.21	£9,137.21	£9,137.21	£9,137.21	£36,548.84
I Supply Energy Limited	£7,107.67	£1,776.92	£1,776.92	£1,776.92	£1,776.92	£7,107.68
Igloo Energy Supply Limited	£0.82	£0.84	£0.00	£0.00	£0.00	£0.84
Kensington Power Limited	£2,545.40	£636.35	£636.35	£636.35	£636.35	£2,545.40
MA Energy Limited	£842.84	£210.71	£210.71	£210.71	£210.71	£842.84
Marble Power Limited	£20,143.60	£5,035.90	£5,035.90	£5,035.90	£5,035.90	£20,143.60
Nabuh Energy Ltd	£81.15	£20.29	£20.29	£20.29	£20.29	£81.16
Npower Direct Limited	£13,797.21	£3,449.30	£3,449.30	£3,449.30	£3,449.30	£13,797.20
Npower Limited	£351,716.15	£87,929.04	£87,929.04	£87,929.04	£87,929.04	£351,716.16
Npower Northern Supply Limited	£54,344.35	£13,586.09	£13,586.09	£13,586.09	£13,586.09	£54,344.36
Npower Yorkshire Supply Limited	£23.07	£5.77	£5.77	£5.77	£5.77	£23.08

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Octopus Energy Limited	£6,146.19	£1,536.55	£1,536.55	£1,536.55	£1,536.55	£6,146.20
Opus Energy (Corporate) Limited	£22,681.58	£5,670.40	£5,670.40	£5,670.40	£5,670.40	£22,681.60
Opus Energy Limited	£31,517.76	£7,879.44	£7,879.44	£7,879.44	£7,879.44	£31,517.76
Orbit Energy Limited	£18.95	£18.96	£0.00	£0.00	£0.00	£18.96
Our Power Energy Supply Limited	£6,049.80	£0.00	£0.00	£0.00	£0.00	£0.00
OVO Electricity Limited	£23,653.36	£5,913.34	£5,913.34	£5,913.34	£5,913.34	£23,653.36
People's Energy Supply Limited	£467.14	£116.79	£116.79	£116.79	£116.79	£467.16
PFP Energy Supplies Limited	£3,174.85	£793.71	£793.71	£793.71	£793.71	£3,174.84
Power4All Limited	£23,541.31	£5,885.33	£5,885.33	£5,885.33	£5,885.33	£23,541.32
Pozitive Energy Ltd	£939.64	£234.91	£234.91	£234.91	£234.91	£939.64
Pure Planet Limited	£357.57	£357.57	£0.00	£0.00	£0.00	£357.57
Robin Hood Energy Limited	£2,506.26	£626.57	£626.57	£626.57	£626.57	£2,506.28
Rose Energy Supply Limited	£0.41	£0.41	£0.00	£0.00	£0.00	£0.41
Scottish Power Energy Retail Limited	£715,161.97	£178,790.49	£178,790.49	£178,790.49	£178,790.49	£715,161.96
Sinq Power Limited	£4,459.28	£1,114.82	£1,114.82	£1,114.82	£1,114.82	£4,459.28
SmartestEnergy Limited	£50,658.28	£12,664.57	£12,664.57	£12,664.57	£12,664.57	£50,658.28
SO Energy Trading Limited	£1,853.33	£463.33	£463.33	£463.33	£463.33	£1,853.32
Solarplicity Supply Limited	£1,137.37	£0.00	£0.00	£0.00	£0.00	£0.00
Squeaky Clean Energy Limited	£49.02	£12.26	£12.26	£12.26	£12.26	£49.04
SSE Energy Supply Limited	£841,525.08	£210,381.27	£210,381.27	£210,381.27	£210,381.27	£841,525.08
Statkraft Markets GmbH	£118.23	£118.24	£0.00	£0.00	£0.00	£118.24
Switch Business Gas and Power Ltd	£11.95	£2.99	£2.99	£2.99	£2.99	£11.96
The Renewable Energy Company Limited	£4,865.46	£1,216.36	£1,216.36	£1,216.36	£1,216.36	£4,865.44
Together Energy Supply Limited	£2,517.38	£629.35	£629.35	£629.35	£629.35	£2,517.40
Tonik Energy Limited	£678.06	£169.51	£169.51	£169.51	£169.51	£678.04
Total Gas & Power Limited	£103,733.03	£25,933.26	£25,933.26	£25,933.26	£25,933.26	£103,733.04
TOTO Energy Limited	£1,081.76	£270.44	£0.00	£0.00	£0.00	£270.44
Usio Energy Supply Limited	£7.00	£0.00	£0.00	£0.00	£0.00	£0.00
Utilita Energy Limited	£29,400.79	£7,350.20	£7,350.20	£7,350.20	£7,350.20	£29,400.80

Renewables Obligation (RO)

Licence	Amount due	2017-18 Q1 Payments received	2017-18 Q2 Payments received	2017-18 Q3 Payments received	2017-18 Q4 Payments received	2017-18 Total received
Utility Point Limited	£25.13	£25.13	£0.00	£0.00	£0.00	£25.13
Vattenfall Energy Trading GmbH	£20.60	£32.60	£0.00	£0.00	£0.00	£32.60
Zebra Power Limited (previously Bor Energy)	£173.02	£173.02	£0.00	£0.00	£0.00	£173.02
Totals	£4,418,118.85	£1,104,436.59	£1,106,184.94	£1,098,120.03	£1,101,784.05	£4,410,525.61

Table A2.3: RO mutualisation payments received¹⁰⁵ 2018-19

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Affect Energy Ltd	£39,139.33	£9,784.83	£9,784.83	£9,784.83	£9,784.83	£39,139.32
Ampoweruk Ltd	£11,054.43	£2,763.61	£2,763.61	£2,763.61	£2,763.61	£11,054.44
Avid Energy Limited	£8,226.37	£8,226.37	£0.00	£0.00	£0.00	£8,226.37
Avro Energy Limited	£350,013.75	£87,503.44	£87,503.44	£87,503.44	£87,503.44	£350,013.76
Axis Telecom Limited	£9,124.80	£9,124.80	£0.00	£0.00	£0.00	£9,124.80
AXPO UK Limited	£260,844.50	£65,211.12	£65,211.12	£65,211.12	£65,211.12	£260,844.48
BES Commercial Electricity Limited	£154,789.21	£38,697.30	£38,697.30	£38,697.30	£38,697.30	£154,789.20
Breeze Energy Supply Limited	£32,351.84	£0.00	£0.00	£0.00	£0.00	£0.00
Bristol Energy Technology & Services (Supply) Limited	£104,538.76	£26,134.69	£26,134.69	£26,134.69	£26,134.69	£104,538.76
British Gas Trading Limited	£9,371,472.15	£2,342,868.04	£2,342,868.04	£2,342,868.04	£2,342,868.04	£9,371,472.16
Brook Green Trading Limited	£165,837.43	£41,459.36	£41,459.36	£41,459.36	£41,459.36	£165,837.44
Bruntwood Energy Services Limited	£23,929.78	£5,982.45	£5,982.45	£11,964.90	£0.00	£23,929.80
Bryt Energy Limited	£214,270.06	£53,567.52	£53,567.52	£53,567.52	£53,567.52	£214,270.08
Bulb Energy Ltd	£1,017,190.89	£254,297.72	£254,297.72	£254,297.72	£254,297.72	£1,017,190.88
Business Power and Gas Limited	£75,182.71	£18,795.68	£18,795.68	£18,795.68	£18,795.68	£75,182.72
CNG Electricity Limited	£1,277.36	£319.34	£319.34	£319.34	£319.34	£1,277.36
Co-Operative Energy Limited	£410,747.89	£138,958.45	£138,958.45	£138,958.45	£138,958.45	£555,833.80
Corona Energy Retail 4 Limited	£133,613.72	£33,403.43	£33,403.43	£33,403.43	£33,403.40	£133,613.69
Coulomb Energy Supply Limited	£21,346.33	£5,336.58	£5,336.58	£5,336.58	£5,336.58	£21,346.32
Daisy Energy Supply Limited	£14,065.75	£3,516.44	£3,516.44	£0.00	£0.00	£7,032.88
Delta Gas and Power Limited	£1,348.03	£337.01	£337.01	£398.85	£337.01	£1,409.88
Dual Energy Direct Limited	£194,222.06	£48,555.52	£48,555.52	£48,555.52	£48,555.52	£194,222.08
E (Gas and Electricity) Limited	£175,297.68	£43,824.42	£43,824.42	£43,824.42	£43,824.42	£175,297.68
E.ON Energy Solutions Limited	£5,819,324.62	£1,454,831.16	£1,454,831.16	£1,454,831.16	£1,454,831.16	£5,819,324.62
E.ON UK Plc	£4,180,286.28	£1,045,071.57	£1,045,071.57	£1,045,071.57	£1,045,071.57	£4,180,286.28
Eco Green Management Ltd	£10,239.09	£2,559.77	£2,559.77	£2,559.77	£2,559.77	£10,239.08

¹⁰⁵ Where a supplier's licence has been revoked with payments due, we will seek to make a claim with the relevant administrators for the outstanding balances. Any suppliers which are active and fail to pay by the relevant deadline are referred to our Enforcement team for consideration. Any suppliers that have overpaid are refunded.

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Eddington Energy Supply Limited	£91,740.28	£22,935.07	£22,935.07	£22,935.07	£22,935.07	£91,740.28
EDF Energy Customers Plc	£14,042,328.69	£3,510,582.17	£3,510,582.17	£3,510,582.17	£3,510,582.17	£14,042,328.68
Edgware Energy Limited	£14.75	£3.69	£3.69	£3.69	£3.69	£14.76
Effortless Energy Ltd.	£4,557.35	£0.00	£0.00	£0.00	£0.00	£0.00
Electricity Plus Supply Limited	£709,229.95	£177,307.49	£177,307.49	£177,307.49	£177,307.49	£709,229.96
Electroroute Energy Limited	£2,680.52	£2,680.52	£0.00	£0.00	£0.00	£2,680.52
Eneco Energy Trade BV	£154,081.03	£38,520.26	£38,520.26	£38,520.26	£38,520.26	£154,081.04
ENGIE Power Limited	£2,959,573.04	£739,893.26	£739,893.26	£739,893.26	£739,893.26	£2,959,573.04
Enstroga Ltd	£45,490.43	£11,372.61	£34,117.83	£0.00	£0.00	£45,490.44
EPG Energy Limited	£10,083.01	£2,520.75	£2,520.75	£2,520.75	£2,520.75	£10,083.00
ESB Energy limited	£41,617.96	£10,404.49	£31,213.47	£0.00	£0.00	£41,617.96
F & S Energy Limited	£41,046.45	£41,046.44	£0.00	£0.00	£0.00	£41,046.44
Flexitricity Limited	£417.76	£104.44	£104.44	£104.44	£104.44	£417.76
Flow Energy Limited	£145,085.91	£138,958.45	£0.00	£0.00	£0.00	£138,958.45
Foxglove Energy Supply Limited	£127,466.07	£31,866.52	£31,866.52	£31,866.52	£31,866.52	£127,466.08
Gas and Power Limited	£7,362.89	£7,362.89	£0.00	£0.00	£0.00	£7,362.89
Gazprom Marketing & Trading Retail Limited	£207,720.18	£51,930.04	£51,930.04	£51,930.04	£51,930.04	£207,720.16
Good Energy Limited	£172,323.64	£43,080.91	£43,080.91	£43,080.91	£43,080.91	£172,323.64
Greater London Authority	£1,065.38	£1,065.38	£0.00	£0.00	£0.00	£1,065.38
Green Energy (UK) plc	£37,024.11	£9,256.03	£9,256.03	£9,256.03	£9,256.03	£37,024.12
Green Network Energy Limited	£236,895.30	£59,223.83	£59,223.83	£0.00	£0.00	£118,447.66
Hartree Partners Supply (UK) Limited	£139.77	£34.94	£34.94	£34.94	£0.00	£104.82
Haven Power Limited	£3,891,905.10	£972,976.27	£972,976.27	£972,976.27	£972,976.27	£3,891,905.08
Home Energy Trading Ltd	£1.55	£1.55	£0.00	£0.00	£0.00	£1.55
Hudson Energy Supply UK Limited	£720,045.99	£180,011.50	£180,011.50	£180,011.50	£180,011.50	£720,046.00
I Supply Energy Limited	£198,541.80	£198,541.80	£0.00	£0.00	£0.00	£198,541.80
Igloo Energy Supply Limited	£28,357.46	£28,357.44	£0.00	£0.00	£0.00	£28,357.44
Kensington Power Limited	£202,268.28	£50,567.07	£50,567.07	£50,567.07	£50,567.07	£202,268.28
Limejump Energy Limited	£12,178.82	£3,044.71	£3,044.71	£3,044.71	£3,044.71	£12,178.84
Logicor Energy Limited	£14.75	£14.76	£3.69	£0.00	£0.00	£18.45

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
MA Energy Limited	£31,850.99	£7,962.75	£7,962.75	£7,962.75	£7,962.75	£31,851.00
Marble Power Limited	£58,563.79	£58,563.79	£0.00	£0.00	£0.00	£58,563.79
Maxen Power Supply Limited	£30.28	£30.28	£0.00	£0.00	£0.00	£30.28
MVV Environment Services Limited	£3,861.60	£965.40	£965.40	£965.40	£965.40	£3,861.60
Nabuh Energy Ltd	£13,453.85	£3,363.46	£3,363.46	£3,363.46	£0.00	£10,090.38
Npower Direct Limited	£236,905.40	£59,226.35	£59,226.35	£59,226.35	£59,226.35	£236,905.40
Npower Limited	£8,621,917.13	£2,155,479.28	£2,155,479.28	£2,155,479.28	£2,155,479.28	£8,621,917.12
Npower Northern Supply Limited	£2,192,555.03	£548,138.76	£548,138.76	£548,138.76	£548,138.76	£2,192,555.04
Npower Yorkshire Supply Limited	£240,753.02	£60,188.25	£60,188.25	£60,188.25	£60,188.25	£240,753.00
Octopus Energy Limited	£497,198.57	£124,299.64	£124,299.64	£124,299.64	£124,299.64	£497,198.56
Opus Energy (Corporate) Limited	£734,663.84	£183,665.96	£183,665.96	£183,665.96	£183,665.96	£734,663.84
Opus Energy Limited	£778,723.15	£194,680.79	£194,680.79	£194,680.79	£194,680.79	£778,723.16
Orbit Energy Limited	£5,725.23	£1,431.31	£1,431.31	£1,431.31	£1,431.31	£5,725.24
Orsted Power Sales (UK) Limited	£1,268,358.49	£317,089.62	£317,089.62	£317,089.62	£317,089.62	£1,268,358.48
OVO Electricity Limited	£1,380,778.08	£345,194.52	£345,194.52	£345,194.52	£345,194.52	£1,380,778.08
People's Energy (Supply) Limited	£30,997.60	£7,749.40	£7,749.40	£7,749.40	£7,749.40	£30,997.60
PFP Energy Supplies Limited	£89,874.32	£22,468.58	£22,468.58	£22,468.58	£22,468.58	£89,874.32
Planet 9 Energy Limited	£1,306.09	£326.52	£326.52	£979.56	£0.00	£1,632.60
Power4All Limited	£368,879.90	£92,219.97	£92,219.97	£92,219.97	£92,219.97	£368,879.88
Pozitive Energy Ltd	£246,368.75	£61,592.19	£61,592.19	£61,592.19	£61,592.19	£246,368.76
Pure Planet Limited	£99,111.72	£24,777.93	£24,777.93	£24,777.93	£24,777.93	£99,111.72
PX Supply Limited	£3,909.74	£977.44	£977.44	£977.44	£977.44	£3,909.76
Robin Hood Energy Limited	£149,456.90	£37,364.22	£0.00	£0.00	£0.00	£37,364.22
Scottish Power Energy Retail Limited	£5,679,126.86	£1,419,781.71	£1,419,781.71	£1,419,781.71	£1,419,781.71	£5,679,126.84
Shell Energy Retail Limited	£852,115.22	£213,028.81	£213,028.81	£213,028.81	£213,028.81	£852,115.24
Shell Energy Supply UK Ltd.	£123,571.86	£30,892.96	£30,892.96	£30,892.96	£30,892.96	£123,571.84
Simplicity Energy Limited	£12,191.24	£3,047.81	£3,047.81	£0.00	£0.00	£6,095.62
Simply Your Energy Limited	£96.29	£24.07	£24.07	£24.07	£24.07	£96.28
Sinq Power Limited	£34,831.24	£8,707.81	£8,707.81	£8,707.81	£8,707.81	£34,831.24
SmartestEnergy Limited	£2,488,231.55	£622,057.89	£622,057.89	£622,057.89	£622,057.89	£2,488,231.56

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
So Energy Trading Limited	£95,059.10	£23,764.77	£23,764.77	£23,764.77	£23,764.77	£95,059.08
Social Energy Supply Ltd	£3.11	£3.11	£0.00	£0.00	£0.00	£3.11
Squeaky Clean Energy Limited	£40,790.20	£10,197.55	£10,197.55	£10,197.55	£10,197.55	£40,790.20
SSE Electricity Limited	£3,752,883.75	£938,220.94	£938,220.94	£938,220.94	£938,220.94	£3,752,883.76
SSE Energy Supply Limited	£6,184,658.19	£1,546,164.55	£1,546,164.55	£1,546,164.55	£1,546,164.55	£6,184,658.20
Statkraft Markets GmbH	£29.51	£29.52	£0.00	£0.00	£0.00	£29.52
Switch Business Gas and Power Ltd	£1,576.32	£394.08	£394.08	£394.08	£394.08	£1,576.32
Symbio Energy Limited	£217.42	£217.42	£0.00	£0.00	£0.00	£217.42
The Renewable Energy Company Limited	£313,103.78	£78,275.95	£78,275.95	£78,275.95	£78,275.95	£313,103.80
Together Energy Supply Limited	£411.55	£102.89	£102.89	£102.89	£102.89	£411.56
Tonik Energy Limited	£101,067.75	£25,266.94	£0.00	£0.00	£0.00	£25,266.94
Total Gas & Power Limited	£3,479,197.29	£869,799.32	£869,799.32	£869,799.32	£869,799.32	£3,479,197.28
Toucan Energy Limited	£174.72	£174.72	£0.00	£0.00	£0.00	£174.72
Tradelink Solutions Limited	£239.17	£59.79	£59.79	£59.79	£59.79	£239.16
Tru Energy Limited	£4,769.34	£1,192.33	£1,192.33	£1,192.33	£1,192.33	£4,769.32
UK Power Reserve Limited	£2,919.69	£2,919.69	£0.00	£0.00	£0.00	£2,919.69
United Gas & Power Ltd	£11,666.32	£2,916.58	£2,916.58	£2,916.58	£2,916.58	£11,666.32
Utilita Energy Limited	£884,244.20	£221,061.05	£221,061.05	£221,061.05	£221,061.05	£884,244.20
Utility Point Limited	£58,222.12	£14,555.53	£14,555.53	£14,555.53	£14,555.53	£58,222.12
Vattenfall Energy Trading GmbH	£52.03	£52.03	£0.00	£0.00	£0.00	£52.03
Wilton Energy Limited	£26,646.02	£26,646.02	£0.00	£0.00	£0.00	£26,646.02
Zebra Power Limited	£10,173.09	£26,826.00	£0.00	£0.00	£0.00	£26,826.00
Totals	£88,104,505.42	£22,468,934.14	£21,899,017.90	£21,774,592.16	£21,758,187.43	£87,900,731.62

Table A2.4: ROS mutualisation payments received¹⁰⁶ 2018-19

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Affect Energy Ltd	£116.99	£29.25	£29.25	£29.25	£29.25	£117.00
Ampoweruk Ltd	£540.48	£135.12	£135.12	£135.12	£135.12	£540.48
Avid Energy Limited	£3,698.47	£3,698.47	£0.00	£0.00	£0.00	£3,698.47
Avro Energy Limited	£17,137.87	£4,284.47	£4,284.47	£4,284.47	£4,284.47	£17,137.88
Axis Telecom Limited	£715.14	£715.16	£0.00	£0.00	£0.00	£715.16
AXPO UK Limited	£21,506.99	£5,376.75	£5,376.75	£5,376.75	£5,376.75	£21,507.00
BES Commercial Electricity Limited	£16,766.29	£4,191.57	£4,191.57	£4,191.57	£4,191.57	£16,766.28
Breeze Energy Supply Limited	£319.67	£0.00	£0.00	£0.00	£0.00	£0.00
Bristol Energy Technology & Services (Supply) Limited	£5,267.99	£1,317.00	£1,317.00	£1,317.00	£1,317.00	£5,268.00
British Gas Trading Limited	£874,603.10	£218,650.78	£218,650.78	£218,650.78	£218,650.78	£874,603.12
Brook Green Trading Limited	£12,454.02	£3,113.50	£3,113.50	£3,113.50	£3,113.50	£12,454.00
Bruntwood Energy Services Limited	£47.79	£47.80	£0.00	£0.00	£0.00	£47.80
Bryt Energy Limited	£17,595.13	£4,398.78	£4,398.78	£4,398.78	£4,398.78	£17,595.12
Bulb Energy Ltd	£135,593.57	£33,898.39	£33,898.39	£33,898.39	£33,898.39	£135,593.56
Business Power and Gas Limited	£4,585.81	£1,146.45	£1,146.45	£1,146.45	£1,146.45	£4,585.80
CNG Electricity Limited	£45.31	£11.33	£11.33	£11.33	£11.33	£45.32
Co-Operative Energy Limited	£22,062.30	£9,520.53	£9,520.53	£9,520.53	£9,520.53	£38,082.12
Corona Energy Retail 4 Limited	£14,284.72	£3,571.18	£3,571.18	£3,571.18	£3,571.18	£14,284.72
Daisy Energy Supply Limited	£1,019.16	£254.79	£254.79	£0.00	£0.00	£509.58
Delta Gas and Power Limited	£173.84	£43.46	£43.46	£43.88	£43.22	£174.02
Dual Energy Direct Limited	£26,841.72	£6,710.43	£6,710.43	£6,710.43	£6,710.43	£26,841.72
E (Gas and Electricity) Limited	£18,072.17	£4,518.04	£4,518.04	£4,518.04	£4,518.04	£18,072.16
E.ON Energy Solutions Limited	£338,172.40	£84,543.10	£84,543.10	£84,543.10	£84,543.10	£338,172.40
E.ON UK Plc	£242,855.00	£60,713.75	£60,713.75	£60,713.75	£60,713.75	£242,855.00
Eco Green Management Ltd	£1,719.47	£429.87	£429.87	£429.87	£429.87	£1,719.48

¹⁰⁶ Where a supplier's licence has been revoked with payments due, we will seek to make a claim with the relevant administrators for the outstanding balances. Any suppliers which are active and fail to pay by the relevant deadline are referred to our Enforcement team for consideration. Any suppliers that have overpaid are refunded.

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Eddington Energy Supply Limited	£14,118.29	£3,529.57	£3,529.57	£3,583.74	£3,529.57	£14,172.46
EDF Energy Customers Plc	£1,803,871.73	£450,967.93	£450,967.93	£450,967.93	£450,967.93	£1,803,871.72
Effortless Energy Ltd.	£215.04	£0.00	£0.00	£0.00	£0.00	£0.00
Electricity Plus Supply Limited	£34,690.98	£8,672.75	£8,672.75	£8,672.75	£8,672.75	£34,691.00
Eneco Energy Trade BV	£7,668.83	£1,917.21	£1,917.21	£1,917.21	£1,917.21	£7,668.84
ENGIE Power Limited	£257,639.00	£64,409.75	£64,409.75	£64,409.75	£64,409.75	£257,639.00
Enstroga Ltd	£5,581.07	£1,395.27	£4,185.81	£0.00	£0.00	£5,581.08
EPG Energy Limited	£1,314.94	£328.73	£328.73	£328.73	£328.73	£1,314.92
ESB Energy limited	£1,910.62	£477.65	£1,432.95	£0.00	£0.00	£1,910.60
F & S Energy Limited	£2,127.30	£531.83	£531.83	£1,063.66	£0.00	£2,127.32
Flow Energy Limited	£16,019.84	£0.00	£0.00	£0.00	£0.00	£0.00
Foxglove Energy Supply Limited	£14,386.06	£3,596.51	£3,596.51	£3,596.51	£3,596.51	£14,386.04
Gas and Power Limited	£262.00	£262.00	£0.00	£0.00	£0.00	£262.00
Gazprom Marketing & Trading Retail Limited	£14,394.29	£3,598.57	£3,598.57	£3,598.57	£3,598.57	£14,394.28
Good Energy Limited	£12,432.60	£3,108.15	£3,108.15	£3,108.15	£3,108.15	£12,432.60
Green Energy (UK) plc	£1,648.62	£412.15	£412.15	£412.15	£412.15	£1,648.60
Green Network Energy Limited	£22,716.47	£5,679.12	£5,679.12	£0.00	£0.00	£11,358.24
Haven Power Limited	£244,052.94	£61,013.24	£61,013.24	£61,013.24	£61,013.24	£244,052.96
I Supply Energy Limited	£17,577.83	£17,577.84	£0.00	£0.00	£0.00	£17,577.84
Igloo Energy Supply Limited	£293.31	£293.31	£0.00	£0.00	£0.00	£293.31
Kensington Power Limited	£9,452.56	£2,363.14	£2,363.14	£2,363.14	£2,363.14	£9,452.56
Limejump Energy Limited	£3.30	£0.82	£0.82	£0.82	£0.82	£3.28
MA Energy Limited	£3,691.88	£922.97	£922.97	£922.97	£922.97	£3,691.88
Marble Power Limited	£7,375.52	£7,375.52	£0.00	£0.00	£0.00	£7,375.52
Maxen Power Supply Limited	£4.94	£4.94	£0.00	£0.00	£0.00	£4.94
MVV Environment Services Limited	£165.60	£41.40	£41.40	£41.40	£41.40	£165.60
Nabuh Energy Ltd	£943.36	£235.84	£235.84	£235.84	£0.00	£707.52
Npower Direct Limited	£16,051.97	£4,012.99	£4,012.99	£4,012.99	£4,012.99	£16,051.96
Npower Limited	£747,087.83	£186,771.96	£186,771.96	£186,771.96	£186,771.96	£747,087.84
Npower Northern Supply Limited	£125,209.18	£31,302.30	£31,302.30	£31,302.30	£31,302.30	£125,209.20

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Npower Yorkshire Supply Limited	£52.73	£13.18	£13.18	£13.18	£13.18	£52.72
Octopus Energy Limited	£46,334.29	£11,583.57	£11,583.57	£11,583.57	£11,583.57	£46,334.28
Opus Energy (Corporate) Limited	£52,028.23	£13,007.06	£13,007.06	£13,007.06	£13,007.06	£52,028.24
Opus Energy Limited	£73,275.70	£18,318.92	£18,318.92	£18,318.92	£18,318.92	£73,275.68
Orbit Energy Limited	£463.03	£115.76	£115.76	£115.76	£115.76	£463.04
Orsted Power Sales (UK) Limited	£111,442.70	£27,860.67	£27,860.67	£27,860.67	£27,860.67	£111,442.68
OVO Electricity Limited	£71,869.31	£17,967.33	£17,967.33	£17,967.33	£17,967.33	£71,869.32
People's Energy (Supply) Limited	£6,181.69	£1,545.42	£1,545.42	£1,545.42	£1,545.42	£6,181.68
PFP Energy Supplies Limited	£7,602.92	£1,900.73	£1,900.73	£1,900.73	£1,900.73	£7,602.92
Power4All Limited	£52,029.06	£13,007.26	£13,007.26	£13,007.26	£13,007.26	£52,029.04
Pozitive Energy Ltd	£11,008.08	£2,752.02	£2,752.02	£2,752.02	£2,752.02	£11,008.08
Pure Planet Limited	£12,537.23	£3,134.31	£3,134.31	£3,134.31	£3,134.31	£12,537.24
Robin Hood Energy Limited	£6,061.41	£1,515.35	£0.00	£0.00	£0.00	£1,515.35
Scottish Power Energy Retail Limited	£1,408,190.55	£352,047.64	£352,047.64	£352,047.64	£352,047.64	£1,408,190.56
Shell Energy Retail Limited	£51,284.26	£12,821.06	£12,821.06	£12,821.06	£12,821.06	£51,284.24
Shell Energy Supply UK Ltd.	£75,178.90	£18,794.72	£18,794.72	£18,794.72	£18,794.72	£75,178.88
Simply Your Energy Limited	£6.59	£1.65	£3.30	£0.00	£1.65	£6.60
Sinq Power Limited	£21,636.34	£5,409.09	£5,409.09	£5,409.09	£5,409.09	£21,636.36
SmartestEnergy Limited	£111,207.89	£27,801.97	£27,801.97	£27,801.97	£27,801.97	£111,207.88
So Energy Trading Limited	£8,498.49	£2,124.62	£2,124.62	£2,124.62	£2,124.62	£8,498.48
Squeaky Clean Energy Limited	£3,041.83	£760.46	£760.46	£760.46	£760.46	£3,041.84
SSE Electricity Limited	£944,195.16	£236,048.79	£236,048.79	£236,048.79	£236,048.79	£944,195.16
SSE Energy Supply Limited	£801,413.09	£200,353.27	£200,353.27	£200,353.27	£200,353.27	£801,413.08
Statkraft Markets GmbH	£330.38	£330.40	£0.00	£0.00	£0.00	£330.40
Switch Business Gas and Power Ltd	£161.48	£40.37	£40.37	£40.37	£40.37	£161.48
Symbio Energy Limited	£5.77	£5.77	£0.00	£0.00	£0.00	£5.77
The Renewable Energy Company Limited	£12,389.75	£3,097.44	£3,097.44	£6,194.88	£0.00	£12,389.76
Together Energy Supply Limited	£216.68	£54.17	£54.17	£54.17	£54.17	£216.68
Tonik Energy Limited	£5,745.85	£1,436.46	£0.00	£0.00	£0.00	£1,436.46

Renewables Obligation (RO)

Licence	Amount due	2018-19 Q1 Payment received	2018-19 Q2 Payment received	2018-19 Q3 Payment received	2018-19 Q4 Payment received	2018-19 Total received
Total Gas & Power Limited	£253,526.10	£63,381.53	£63,381.53	£63,381.53	£63,381.53	£253,526.12
Tru Energy Limited	£4.12	£1.03	£1.03	£1.03	£1.03	£4.12
United Gas & Power Ltd	£673.95	£168.49	£168.49	£168.49	£168.49	£673.96
Utilita Energy Limited	£87,064.43	£21,766.11	£21,766.11	£21,766.11	£21,766.11	£87,064.44
Utility Point Limited	£6,958.63	£1,739.66	£1,739.66	£1,739.66	£1,739.66	£6,958.64
Vattenfall Energy Trading GmbH	£52.73	£52.73	£0.00	£0.00	£0.00	£52.73
Zebra Power Limited	£862.62	£1,483.00	£0.00	£0.00	£0.00	£1,483.00
Totals	£9,402,635.28	£2,374,565.44	£2,343,514.18	£2,335,642.07	£2,328,094.51	£9,381,816.21

Table A2.5: RO mutualisation payment redistribution 2017-18

Licence	2017-18 Q1 Redistributions	2017-18 Q2 Redistributions	2017-18 Q3 Redistributions	2017-18 Q4 Redistributions	2017-18 Total redistributed
AXPO UK Limited	£61,211	£60,757	£60,422	£61,812	£244,202
BES Commercial Electricity Limited	£25,261	£25,073	£24,935	£25,509	£100,778
Bristol Energy Technology & Services (Supply) Limited	£2,524	£2,505	£2,491	£2,548	£10,068
British Gas Trading Limited	£1,414,319	£1,403,835	£1,396,099	£1,428,225	£5,642,478
Brook Green Trading Limited	£1,814	£1,800	£1,790	£1,832	£7,236
Bryt Energy Limited (prev. Bullion Energy Limited)	£20,554	£20,401	£20,289	£20,756	£82,000
Budget Energy Ltd	£2,794	£2,774	£2,758	£2,822	£11,148
Bulb Energy Ltd	£750	£744	£740	£757	£2,991
CNG Electricity Limited	£5	£5	£5	£5	£20
Co-Operative Energy Limited	£86,387	£85,746	£85,274	£87,236	£344,643
Corona Energy Retail 5 Limited	£626	£622	£618	£632	£2,498
Dong Energy Power Sales UK Limited	£151,660	£150,536	£149,706	£153,151	£605,053
Dual Energy Direct Limited	£41,974	£41,663	£41,434	£42,387	£167,458
E (Gas and Electricity) Limited	£22,607	£22,439	£22,316	£22,829	£90,191
E.ON Energy Solutions Limited	£952,566	£945,505	£940,294	£961,932	£3,800,297
E.ON UK Plc	£743,772	£738,259	£734,190	£751,085	£2,967,306
Eco Green Management Ltd	£452	£449	£447	£457	£1,805
EDF Energy Customers Plc	£1,910,990	£1,896,824	£1,886,371	£1,929,779	£7,623,964
Electric Ireland	£20,412	£20,260	£20,149	£20,612	£81,433
Electricity Plus Supply Limited	£95,488	£94,780	£94,258	£96,427	£380,953
Eneco energy Trade BV	£19,686	£19,540	£19,433	£19,880	£78,539
Energia	£19,888	£19,740	£19,632	£20,083	£79,343
ENGIE Power Limited	£506,844	£503,087	£500,314	£511,827	£2,022,072
F & S Energy Limited	£1,826	£1,813	£1,803	£1,844	£7,286
Farmoor Energy Limited	£9,803	£9,730	£9,676	£9,899	£39,108
First Utility Limited	£156,235	£155,076	£154,222	£157,771	£623,304
Flow Energy Limited	£9,671	£9,600	£9,547	£9,766	£38,584
Gazprom Marketing & Trading Retail Limited	£66,558	£66,065	£65,701	£67,213	£265,537
Go Power	£7,105	£7,053	£7,014	£7,175	£28,347
Good Energy Limited	£25,659	£25,469	£25,328	£25,911	£102,367
Green Energy (UK) plc	£5,436	£5,396	£5,366	£5,490	£21,688
Green Network Energy Limited	£10,367	£10,290	£10,234	£10,469	£41,360
Haven Power Limited	£761,437	£755,793	£751,628	£768,924	£3,037,782
Huddle Energy Limited	£62	£61	£61	£62	£246
Hudson Energy Supply UK Limited	£98,885	£98,152	£97,611	£99,857	£394,505

Renewables Obligation (RO)

Licence	2017-18 Q1 Redistributions	2017-18 Q2 Redistributions	2017-18 Q3 Redistributions	2017-18 Q4 Redistributions	2017-18 Total redistributed
Kensington Power Limited	£13,678	£13,577	£13,502	£13,813	£54,570
Limejump Energy Ltd	£429	£426	£423	£433	£1,711
MVV Environment Services Limited	£92	£91	£90	£92	£365
Npower Direct Limited	£63,955	£63,480	£63,131	£64,583	£255,149
Npower Limited	£1,337,610	£1,327,695	£1,320,378	£1,350,762	£5,336,445
Npower Northern Supply Limited	£307,127	£304,850	£303,170	£310,147	£1,225,294
Npower Yorkshire Supply Limited	£34,479	£34,223	£34,034	£34,818	£137,554
Octopus Energy Limited	£1,286	£1,276	£1,269	£1,299	£5,130
Opus Energy (Corporate) Limited	£115,276	£114,422	£113,791	£116,410	£459,899
Opus Energy Limited	£117,966	£117,092	£116,446	£119,126	£470,630
OVO Electricity Limited	£89,236	£88,574	£88,086	£90,113	£356,009
Power NI	£54,011	£53,611	£53,315	£54,542	£215,479
Scottish Power Energy Retail Limited	£1,081,813	£1,073,794	£1,067,876	£1,092,450	£4,315,933
Shell Energy Supply UK Limited	£1	£1	£1	£1	£4
SmartestEnergy Limited	£373,711	£370,941	£368,897	£377,386	£1,490,935
SO Energy Trading Limited	£4,428	£4,395	£4,371	£4,471	£17,665
Squeaky Clean Energy Limited	£1,187	£1,178	£1,172	£1,199	£4,736
SSE Airtricity Energy Supply Limited	£33,905	£33,654	£33,468	£34,238	£135,265
SSE Energy Supply Limited	£1,855,785	£1,842,028	£1,831,877	£1,874,031	£7,403,721
The Renewable Energy Company Limited	£39,566	£39,273	£39,057	£39,955	£157,851
Tonik Energy Limited	£4,882	£4,845	£4,819	£4,930	£19,476
Total Gas & Power Limited	£500,598	£496,887	£494,148	£505,519	£1,997,152
Tradelink Solutions Limited	£33	£33	£33	£33	£132
Utilita Energy Limited	£90,069	£89,401	£88,908	£90,954	£359,332
Totals	£13,376,751	£13,277,589	£13,204,418	£13,508,269	£53,367,027

Table A2.6: ROS mutualisation payment redistribution 2017-18

Licence	2017-18 Q1 Redistributions	2017-18 Q2 Redistributions	2017-18 Q3 Redistributions	2017-18 Q4 Redistributions	2017-18 Total redistributed
AXPO UK Limited	£5,050	£5,040	£5,008	£5,094	£20,192
BES Commercial Electricity Limited	£2,084	£2,080	£2,066	£2,102	£8,332
Bristol Energy Technology & Services (Supply) Limited	£208	£207	£206	£210	£831
British Gas Trading Limited	£116,684	£116,459	£115,718	£117,705	£466,566
Brook Green Trading Limited	£149	£149	£148	£150	£596
Bryt Energy Limited (prev. Bullion Energy Limited)	£1,695	£1,692	£1,681	£1,710	£6,778
Budget Energy Ltd	£230	£230	£228	£232	£920
Bulb Energy Ltd	£61	£61	£61	£62	£245
Co-Operative Energy Limited	£7,127	£7,113	£7,068	£7,189	£28,497
Corona Energy Retail 5 Limited	£51	£51	£51	£52	£205
Dong Energy Power Sales UK Limited	£12,512	£12,488	£12,408	£12,621	£50,029
Dual Energy Direct Limited	£3,463	£3,456	£3,434	£3,493	£13,846
E (Gas and Electricity) Limited	£1,865	£1,861	£1,849	£1,881	£7,456
E.ON Energy Solutions Limited	£78,588	£78,437	£77,938	£79,276	£314,239
E.ON UK Plc	£61,362	£61,244	£60,855	£61,899	£245,360
Eco Green Management Ltd	£37	£37	£37	£37	£148
EDF Energy Customers Plc	£157,660	£157,356	£156,356	£159,040	£630,412
Electric Ireland	£1,684	£1,680	£1,670	£1,698	£6,732
Electricity Plus Supply Limited	£7,878	£7,862	£7,812	£7,946	£31,498
Eneco energy Trade BV	£1,624	£1,621	£1,610	£1,638	£6,493
Energia	£1,640	£1,637	£1,627	£1,655	£6,559
ENGIE Power Limited	£41,815	£41,735	£41,469	£42,181	£167,200
F & S Energy Limited	£150	£150	£149	£152	£601
Farmoor Energy Limited	£808	£807	£802	£815	£3,232
First Utility Limited	£12,889	£12,864	£12,783	£13,002	£51,538
Flow Energy Limited	£797	£796	£791	£804	£3,188
Gazprom Marketing & Trading Retail Limited	£5,491	£5,480	£5,445	£5,539	£21,955
Go Power	£586	£585	£581	£591	£2,343
Good Energy Limited	£2,116	£2,112	£2,099	£2,135	£8,462
Green Energy (UK) plc	£448	£447	£444	£452	£1,791
Green Network Energy Limited	£855	£853	£848	£862	£3,418
Haven Power Limited	£62,820	£62,698	£62,300	£63,370	£251,188
Huddle Energy Limited	£5	£5	£5	£5	£20
Hudson Energy Supply UK Limited	£8,158	£8,142	£8,090	£8,229	£32,619
Kensington Power Limited	£1,128	£1,126	£1,119	£1,138	£4,511
Limejump Energy Ltd	£35	£35	£35	£35	£140

Renewables Obligation (RO)

Licence	2017-18 Q1 Redistributions	2017-18 Q2 Redistributions	2017-18 Q3 Redistributions	2017-18 Q4 Redistributions	2017-18 Total redistributed
MVV Environment Services Limited	£7	£7	£7	£7	£28
Npower Direct Limited	£5,276	£5,266	£5,232	£5,322	£21,096
Npower Limited	£110,355	£110,142	£109,442	£111,321	£441,260
Npower Northern Supply Limited	£25,338	£25,289	£25,129	£25,560	£101,316
Npower Yorkshire Supply Limited	£2,844	£2,839	£2,821	£2,869	£11,373
Octopus Energy Limited	£106	£105	£105	£107	£423
Opus Energy (Corporate) Limited	£9,510	£9,492	£9,431	£9,593	£38,026
Opus Energy Limited	£9,732	£9,713	£9,651	£9,817	£38,913
OVO Electricity Limited	£7,362	£7,347	£7,301	£7,426	£29,436
Power NI	£4,456	£4,447	£4,419	£4,495	£17,817
Scottish Power Energy Retail Limited	£89,251	£89,079	£88,513	£90,033	£356,876
SmartestEnergy Limited	£30,831	£30,772	£30,576	£31,101	£123,280
SO Energy Trading Limited	£365	£364	£362	£368	£1,459
Squeaky Clean Energy Limited	£97	£97	£97	£98	£389
SSE Airtricity Energy Supply Limited	£2,797	£2,791	£2,774	£2,821	£11,183
SSE Energy Supply Limited	£153,105	£152,810	£151,839	£154,446	£612,200
The Renewable Energy Company Limited	£3,264	£3,258	£3,237	£3,292	£13,051
Tonik Energy Limited	£402	£401	£399	£406	£1,608
Total Gas & Power Limited	£41,300	£41,220	£40,958	£41,661	£165,139
Tradelink Solutions Limited	£2	£2	£2	£2	£8
Utilita Energy Limited	£7,430	£7,416	£7,369	£7,495	£29,710
Totals	£1,103,583	£1,101,453	£1,094,455	£1,113,240	£4,412,731

Table A2.7: RO mutualisation payment redistribution 2018-19

Licence	2018-19 Q1 Redistributions	2018-19 Q2 Redistributions	2018-19 Q3 Redistributions	2018-19 Q4 Redistributions	2018-19 Total redistributed
3T Power Limited	£2,001	£1,983	£1,988	£1,972	£7,944
AXPO UK Limited	£74,575	£73,926	£74,113	£73,498	£296,112
BES Commercial Electricity Limited	£7,705	£7,638	£7,658	£7,594	£30,595
Bristol Energy Technology & Services (Supply) Limited	£514	£510	£511	£507	£2,042
British Gas Trading Limited	£2,170,506	£2,151,623	£2,157,075	£2,139,177	£8,618,381
Brook Green Trading Limited	£24,513	£24,300	£24,361	£24,159	£97,333
Bryt Energy Limited	£61,241	£60,708	£60,862	£60,357	£243,168
Budget Energy Limited	£5,086	£5,042	£5,055	£5,013	£20,196
Bulb Energy Ltd	£5,142	£5,097	£5,110	£5,068	£20,417
Co-Operative Energy Limited	£13,017	£12,904	£12,937	£12,829	£51,687
Corona Energy Retail 4 Limited	£38,109	£37,777	£37,873	£37,559	£151,318
Dual Energy Direct Limited	£58,235	£57,728	£57,874	£57,394	£231,231
E.ON Energy Solutions Limited	£1,628,325	£1,614,160	£1,618,250	£1,604,822	£6,465,557
E.ON UK Plc	£1,169,683	£1,159,507	£1,162,445	£1,152,800	£4,644,435
Eco Green Management Ltd	£2,987	£2,961	£2,969	£2,944	£11,861
EDF Energy Customers Plc	£3,723,572	£3,691,179	£3,700,532	£3,669,827	£14,785,110
Electric Ireland	£45,622	£45,225	£45,340	£44,964	£181,151
Electricity Plus Supply Limited	£147,938	£146,651	£147,022	£145,803	£587,414
Electroroute Energy Limited	£23	£22	£22	£22	£89
Eneco Energy Trade BV	£42,702	£42,331	£42,438	£42,086	£169,557
Energia	£42,844	£42,471	£42,579	£42,225	£170,119
ENGIE Power Limited	£716,827	£710,591	£712,391	£706,480	£2,846,289
ESB Energy limited	£11,518	£11,418	£11,447	£11,352	£45,735
F & S Energy Limited	£2,817	£2,793	£2,800	£2,777	£11,187
Flow Energy Limited	£4,005	£3,970	£3,980	£3,947	£15,902
Gas and Power Limited	£2,018	£2,001	£2,006	£1,989	£8,014
Gazprom Marketing & Trading Retail Limited	£58,703	£58,193	£58,340	£57,856	£233,092
Go Power	£8,439	£8,366	£8,387	£8,318	£33,510
Good Energy Limited	£48,823	£48,398	£48,521	£48,118	£193,860
Green Energy (UK) plc	£10,234	£10,145	£10,170	£10,086	£40,635
Green Network Energy Limited	£10,299	£10,210	£0	£0	£20,509
Hartree Partners Supply (UK) Limited	£20	£20	£20	£19	£79
Haven Power Limited	£1,093,479	£1,083,967	£1,086,713	£1,077,696	£4,341,855
I Supply Energy Limited	£57,064	£56,568	£0	£0	£113,632
Kensington Power Limited	£35,936	£35,623	£35,713	£35,417	£142,689
Limejump Energy Limited	£337	£334	£335	£332	£1,338

Licence	2018-19 Q1 Redistributions	2018-19 Q2 Redistributions	2018-19 Q3 Redistributions	2018-19 Q4 Redistributions	2018-19 Total redistributed
MVV Environment Services Limited	£266	£264	£264	£262	£1,056
Npower Direct Limited	£50,532	£50,092	£50,219	£49,802	£200,645
Npower Limited	£1,879,793	£1,863,440	£1,868,162	£1,852,661	£7,464,056
Npower Northern Supply Limited	£461,836	£457,818	£458,978	£455,170	£1,833,802
Npower Yorkshire Supply Limited	£47,287	£46,876	£46,994	£46,604	£187,761
Octopus Energy Limited	£1,561	£1,548	£1,551	£1,539	£6,199
Opus Energy (Corporate) Limited	£207,903	£206,094	£206,616	£204,902	£825,515
Opus Energy Limited	£224,903	£222,947	£223,512	£221,657	£893,019
Orbit Energy Limited	£1,627	£1,613	£1,617	£1,603	£6,460
Orsted Power Sales (UK) Limited	£364,338	£361,169	£362,084	£359,080	£1,446,671
OVO Electricity Limited	£185,396	£183,783	£184,249	£182,720	£736,148
PFP Energy Supplies Limited	£6,179	£6,126	£6,141	£6,090	£24,536
Power NI	£91,481	£90,685	£90,915	£90,160	£363,241
Pure Planet Limited	£29,427	£29,171	£29,245	£29,002	£116,845
Scottish Power Energy Retail Limited	£1,858,667	£1,842,497	£1,847,166	£1,831,839	£7,380,169
Shell Energy Retail Limited	£238,874	£236,796	£237,396	£235,427	£948,493
Shell Energy Supply UK Ltd.	£51,578	£51,129	£51,259	£50,833	£204,799
SmartestEnergy Limited	£687,892	£681,908	£683,636	£677,964	£2,731,400
Squeaky Clean Energy Limited	£11,581	£11,480	£11,509	£11,414	£45,984
SSE Airtricity Energy Supply Limited	£56,517	£56,026	£56,168	£55,702	£224,413
SSE Electricity Limited	£1,231,654	£1,220,939	£1,224,033	£1,213,876	£4,890,502
SSE Energy Supply Limited	£1,841,065	£1,825,049	£1,829,673	£1,814,492	£7,310,279
The Renewable Energy Company Limited	£86,159	£85,409	£85,626	£84,915	£342,109
Tonik Energy Limited	£28,248	£0	£0	£0	£28,248
Total Gas & Power Limited	£986,363	£977,782	£980,260	£972,126	£3,916,531
Tradelink Solutions Limited	£63	£62	£63	£62	£250
Utilita Energy Limited	£218,150	£216,252	£216,800	£215,001	£866,203
Vattenfall Energy Trading GmbH	£26	£26	£26	£26	£104
Totals	£22,174,225	£21,953,321	£21,941,999	£21,759,936	£87,829,481

Table A2.8: ROS mutualisation payment redistribution 2018-19

Licence	2018-19 Q1 Redistributions	2018-19 Q2 Redistributions	2018-19 Q3 Redistributions	2018-19 Q4 Redistributions	2018-19 Total redistributed
3T Power Limited	£213	£213	£212	£210	£848
AXPO UK Limited	£7,950	£7,938	£7,931	£7,854	£31,673
BES Commercial Electricity Limited	£821	£820	£819	£811	£3,271
Bristol Energy Technology & Services (Supply) Limited	£54	£54	£54	£54	£216
British Gas Trading Limited	£231,398	£231,054	£230,842	£228,608	£921,902
Brook Green Trading Limited	£2,613	£2,609	£2,607	£2,581	£10,410
Bryt Energy Limited	£6,528	£6,519	£6,513	£6,450	£26,010
Budget Energy Limited	£542	£541	£540	£535	£2,158
Bulb Energy Ltd	£548	£547	£546	£541	£2,182
Co-Operative Energy Limited	£1,387	£1,385	£1,384	£1,371	£5,527
Corona Energy Retail 4 Limited	£4,062	£4,056	£4,053	£4,013	£16,184
Dual Energy Direct Limited	£6,208	£6,199	£6,193	£6,133	£24,733
E.ON Energy Solutions Limited	£173,596	£173,338	£173,179	£171,503	£691,616
E.ON UK Plc	£124,700	£124,514	£124,400	£123,196	£496,810
Eco Green Management Ltd	£318	£318	£317	£314	£1,267
EDF Energy Customers Plc	£396,971	£396,380	£396,017	£392,185	£1,581,553
Electric Ireland	£4,863	£4,856	£4,852	£4,805	£19,376
Electricity Plus Supply Limited	£15,771	£15,748	£15,733	£15,581	£62,833
Electroroute Energy Limited	£2	£2	£2	£2	£8
Eneco Energy Trade BV	£4,552	£4,545	£4,541	£4,497	£18,135
Energia	£4,567	£4,560	£4,556	£4,512	£18,195
ENGIE Power Limited	£76,421	£76,307	£76,237	£75,499	£304,464
ESB Energy limited	£1,227	£1,226	£1,225	£1,213	£4,891
F & S Energy Limited	£300	£299	£299	£296	£1,194
Flow Energy Limited	£427	£426	£425	£421	£1,699
Gas and Power Limited	£215	£214	£214	£212	£855
Gazprom Marketing & Trading Retail Limited	£6,258	£6,249	£6,243	£6,182	£24,932
Go Power	£899	£898	£897	£888	£3,582
Good Energy Limited	£5,205	£5,197	£5,192	£5,142	£20,736
Green Energy (UK) plc	£1,091	£1,089	£1,088	£1,077	£4,345
Green Network Energy Limited	£1,098	£1,096	£0	£0	£2,194
Hartree Partners Supply (UK) Limited	£2	£2	£2	£2	£8
Haven Power Limited	£116,576	£116,402	£116,296	£115,170	£464,444
I Supply Energy Limited	£6,083	£6,074	£0	£0	£12,157
Kensington Power Limited	£3,831	£3,825	£3,821	£3,784	£15,261

Renewables Obligation (RO)

Licence	2018-19 Q1 Redistributions	2018-19 Q2 Redistributions	2018-19 Q3 Redistributions	2018-19 Q4 Redistributions	2018-19 Total redistributed
Limejump Energy Limited	£35	£35	£35	£35	£140
MVV Environment Services Limited	£28	£28	£28	£28	£112
Npower Direct Limited	£5,387	£5,379	£5,374	£5,322	£21,462
Npower Limited	£200,405	£200,107	£199,924	£197,989	£798,425
Npower Northern Supply Limited	£49,236	£49,163	£49,118	£48,642	£196,159
Npower Yorkshire Supply Limited	£5,041	£5,033	£5,029	£4,980	£20,083
Octopus Energy Limited	£166	£166	£166	£164	£662
Opus Energy (Corporate) Limited	£22,164	£22,131	£22,111	£21,897	£88,303
Opus Energy Limited	£23,977	£23,941	£23,919	£23,687	£95,524
Orbit Energy Limited	£173	£173	£173	£171	£690
Orsted Power Sales (UK) Limited	£38,842	£38,784	£38,748	£38,374	£154,748
OVO Electricity Limited	£19,765	£19,735	£19,717	£19,526	£78,743
PFP Energy Supplies Limited	£658	£657	£657	£650	£2,622
Power NI	£9,752	£9,738	£9,729	£9,635	£38,854
Pure Planet Limited	£3,137	£3,132	£3,129	£3,099	£12,497
Scottish Power Energy Retail Limited	£198,153	£197,858	£197,677	£195,764	£789,452
Shell Energy Retail Limited	£25,466	£25,428	£25,405	£25,159	£101,458
Shell Energy Supply UK Ltd.	£5,498	£5,490	£5,485	£5,432	£21,905
SmartestEnergy Limited	£73,336	£73,227	£73,160	£72,452	£292,175
Squeaky Clean Energy Limited	£1,234	£1,232	£1,231	£1,219	£4,916
SSE Airtricity Energy Supply Limited	£6,025	£6,016	£6,010	£5,952	£24,003
SSE Electricity Limited	£131,307	£131,111	£130,991	£129,724	£523,133
SSE Energy Supply Limited	£196,276	£195,984	£195,805	£193,910	£781,975
The Renewable Energy Company Limited	£9,185	£9,171	£9,163	£9,074	£36,593
Tonik Energy Limited	£3,011	£0	£0	£0	£3,011
Total Gas & Power Limited	£105,156	£105,000	£104,903	£103,888	£418,947
Tradelink Solutions Limited	£6	£6	£6	£6	£24
Utilita Energy Limited	£23,257	£23,222	£23,201	£22,976	£92,656
Vattenfall Energy Trading GmbH	£2	£2	£2	£2	£8
Totals	£2,363,975	£2,357,449	£2,348,126	£2,325,399	£9,394,949

Appendix 3 – ROC recycle value

Table A3.1 - Determination of ROC recycle value since 2010-11

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21
Total of buy-out and late payments redistributed	£358m	£123m	£164m	£42m	£25m	£0m	£460m	£604m	£842m	£655m	£466m
Total ROCs presented (m)	25.0m	34.4m	44.8m	60.8m	71.3m	84.4m	90.2m	103.2m	107.6m	115.9m	105.3m
Recycle value per ROC presented	£14.35	£3.58	£3.67	£0.70	£0.35	£0.00	£5.10	£5.85	£7.82	£5.65	£4.42
Worth of a ROC to a supplier	£51.34	£42.27	£44.38	£42.72	£43.65	£44.33	£49.87	£51.43	£55.04	£54.43	£54.47
Average ROCs issued/MWh	1.07	1.12	1.27	1.27	1.28	1.31	1.32	1.34	1.34	1.35	1.36
Support per MWh supplied	£54.93	£47.34	£56.36	£54.25	£55.87	£58.07	£65.83	£68.92	£73.75	£73.48	£74.03

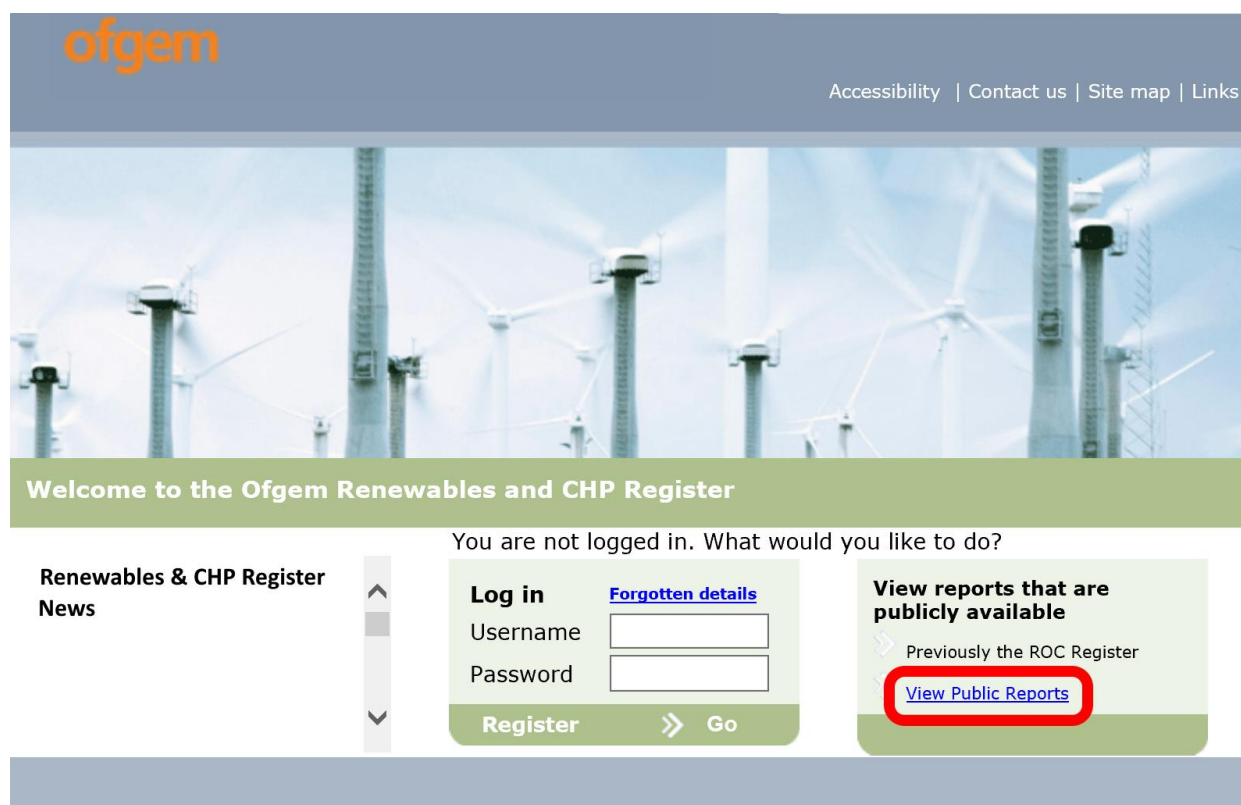
Appendix 4 – Using public reports

A number of reports on the Renewables Obligation scheme are publicly available via the Renewables and CHP Register. To assist readers who may wish to analyse the data upon which chapters 2 and 6 is largely based, this section gives further information on the two reports used – the 'Accredited Stations' and 'Certificates' reports. Please note that there are a number of other reports available, but these are not used in the production of the RO annual report and so are not covered.

The public reports can be accessed via the Renewables and CHP login page which is shown in **Figure A4.1**.¹⁰⁷ The link to view the public reports is highlighted.

Please note that a replacement for the Renewables and CHP Register is currently in development. Once launched the advice in the section will no longer apply. For more information please refer to the information available on our website.¹⁰⁸

Figure A4.1: The Renewables and CHP login page



¹⁰⁷ [Link to Renewables and CHP login page](https://www.renewablesandchp.ofgem.gov.uk/): <https://www.renewablesandchp.ofgem.gov.uk/>

¹⁰⁸ [Link to information on the new Renewable Electricity Register](https://www.ofgem.gov.uk/publications/redevelopment-renewables-and-chp-register-timeline-and-project-progress-update):

<https://www.ofgem.gov.uk/publications/redevelopment-renewables-and-chp-register-timeline-and-project-progress-update>

Clicking the 'View Public Reports' link takes you to the Public Reports homepage as shown in **Figure A4.2**. The links to the 'Accredited Stations' and 'Certificates' reports are highlighted.

Figure A4.2: The Public Reports homepage

Report	
Accredited Stations	View
Certificates	View
Certificates by Technology and Country	View
Certificates by Technology and Month of Issue	View
Certificates by Technology and Order (RO Only)	View
Organisations	View
ROC's Claimed but not Issued	View
Preliminary Accreditation Conditions	View
Grants	View
REGO Certificate Investment Report	View
Compliance Certificates Report	View

Accredited Stations report

The accredited stations report provides data on the stations which have been granted accreditation on the Renewables Obligation scheme. The table below gives information on the fields available in the report.

Table A4.1: Accredited stations report - field descriptions

Field name	Description
Accreditation Number	The unique accreditation number given to a generating station
Status	Denoted either 'Live' or 'Preliminary' accreditation. Only stations that are live or have been granted full accreditation are included in the annual report
Generating Station	The unique name of the generating station
Scheme	The name of the support scheme. For the data in this report this is the Renewables Obligation (RO)
Station DNC	The Declared Net Capacity of the generating station
Country	The country where the generating station is located

Technology	The renewable technology installed. Please note that for the purposes of the annual report the technology types have been simplified to: <ul style="list-style-type: none"> • Fuelled • Hydro • Landfill gas • Offshore wind • Onshore wind • Sewage gas • Solar PV • Wave Power • Tidal stream
Contract Type	Where shown as 'NFPA' this field identifies stations with both NFFO and RO accreditation. The 'General' label identifies all other stations on the RO scheme.
Accreditation Date	The date from which the station is eligible to receive support under the RO scheme
Commission Date	The date on which the station commissioned
Organisation	The name of the organisation as recorded on the Renewables and CHP Register
Organisation Contact Address	The organisation's contact address
Organisation Contact Fax	The organisation's fax number
Generating Station Address	The generating station's address

Certificates report

The certificates report provides data on the ROCs which have been generated by the Renewables and CHP Register. The table below gives information on the fields available in the report.

Table A4.2: Certificates report - field descriptions

Field name	Description
Accreditation No.	The unique accreditation number given to a generating station
Generating Station / Agent Group	The unique name of the generating station
Station TIC	The Total Installed Capacity of the generating station
Scheme	The name of the support scheme. For the data in this report this is the Renewables Obligation (RO)
Country	The country where the generating station is located

Technology Group	The renewable technology installed. Please note that for the purposes of the annual report the technology types have been simplified to: <ul style="list-style-type: none"> • Fuelled • Hydro • Landfill gas • Offshore wind • Onshore wind • Sewage gas • Solar PV • Wave Power • Tidal stream
Generation Type	Where the technology type is 'Fuelled' or 'Biomass 50kW DNC or less' this field gives further information about the renewable technology used
Output Period	The month and year when the generation took place
No. Of Certificates	The number of certificates generated in relation to the renewable generation
Start Certificate No.	The start certificate reference number for the certificates generated
End Certificate No.	The end certificate reference number for the certificates generated
MWh Per Certificate	The number of MWh of generation the station needs to generate to earn one ROC
Issue Date	The date on which the ROCs were generated by the Renewables & CHP Register
Certificate Status	Identifies the current status of the certificates. This can be either: <ul style="list-style-type: none"> • Issued • Revoked • Retired • Redeemed • Expired
Status Date	The date of the most recent certificate status change. This will usually be the date when the ROCs changed to the status shown in the previous field.
Current Holder Organisation Name	The name of the organisation currently holding the ROCs
Company Registration Number	The company registration number of the current holder organisation

Appendix 5 – Glossary of terms

A

Anaerobic Digestion (AD) – Natural process in which micro-organisms break down organic matter (e.g., animal manure or waste food) within a contained environment. This produces biogas which can then be used as fuel to generate electricity.

Authority - The Gas and Electricity Markets Authority (GEMA) (the Authority) is the statutory body responsible for administering the RO and ROS in Great Britain (GB). The Authority's day-to-day functions are performed by Ofgem, the office of the Authority.

B

Banked ROCs – Banked ROCs are ROCs issued against electricity generation in the previous compliance period, that were not presented to fulfil a supplier obligation within that compliance period. These banked ROCs remain eligible for use towards supplier obligations in the period following the one when they were issued.

BEIS - Department for Business, Energy and Industrial Strategy

Biogas – Biogas is a renewable fuel produced by the breakdown of organic matter and is used for electricity generation under the RO in anaerobic digestion (AD) and gasification generating stations.

Buy-out fund – Is the sum collected from suppliers making payments towards fulfilment of their Renewables Obligation by the 31 August deadline.

Buy-out price - The buy-out price is the sum that suppliers must pay for each ROC not presented towards their obligation.

C

Combined Heat and Power (CHP) – The process of capturing and using heat which is created as a by-product of the electricity generation process.

Contracts for Difference (CfD) – The CfD scheme is the government's main mechanism for supporting low-carbon electricity generation. CfDs incentivise investment in renewable energy by providing developers of projects with high upfront costs and long lifetimes with direct protection from volatile wholesale prices, and they protect consumers from paying increased support costs when electricity prices are high.

D

DECC – Department of Energy and Climate Change. From July 2016 the new Department for Business, Energy and Industrial Strategy assumed the roles and responsibilities of DECC.

Digestate – Material remaining after anaerobic digestion process

Declared Net Capacity (DNC) – The maximum capacity an installation can be operated at over a sustained period without damaging it (assuming the source of power used by it to generate electricity was available to it without interruption) minus the amount of electricity that is consumed by the installation.

E

Energy Intensive Industries (EII) – Industries which consume large amounts of energy in their industrial processes.

F

FIT (Feed-in-Tariff) scheme – The FIT scheme is a government scheme designed to promote the uptake of small-scale renewable and low-carbon electricity generation technologies.

G

Gasification – Gasification converts fuel into a synthetic gas by partial combustion. This can then be burnt in a generating station to produce electricity. 'Gasification' is defined in Article 2 of the ROO (as amended), ROS 2009 (as amended) and NIRO 2009 (as amended).

GEMA – The Gas and Electricity Markets Authority (GEMA) (the Authority) is the statutory body responsible for administering the RO and ROS in Great Britain (GB). The Authority's day-to-day functions are performed by Ofgem, the office of the Authority.

GHG - Greenhouse Gas

GW – Gigawatt, equal to one billion watts.

GWh – Gigawatt hour, equivalent to one billion watt hours of electricity output.

K

kW – Kilowatt, equal to one thousand watts.

kWh – Kilowatt hour, equivalent to one thousand watt hours of electricity output.

L

Late payment fund – Is the sum collected from suppliers making payment to fulfil their obligation after the 31 August buy-out payment deadline, but before the late payment deadline of 31 October.

M

Mutualisation - A mechanism to account for shortfalls in suppliers' obligations. If a supplier or suppliers are unable to meet their obligations under the RO or ROS, and the shortfall is above a certain threshold, mutualisation is triggered. If mutualisation is triggered, suppliers that discharged their obligations in full or in part under the RO and ROS must make additional payments to make up the shortfall. Mutualisation does not apply in Northern Ireland.

MW – Megawatt, equal to one million watts.

MWh – Megawatt hour, equivalent to one million watt hours of electricity output.

N

Non-Fossil Fuel Obligation (NFFO) – Before the introduction of the Renewables Obligation (RO), the Non-Fossil Fuel Obligation was one of the government's primary instruments of renewable energy policy.

Non-Fossil Fuel Purchasing Agency (NFPA) – The public body responsible for administering the NFFO.

Northern Ireland Authority for Utility Regulation (NIAUR) - We administer the NIRO on behalf of the Northern Ireland Authority for Utility Regulation (NIAUR); however, NIAUR retains the statutory responsibility for administering the NIRO. The Authority's day-to-day functions are performed by Ofgem, the office of the Authority.

Northern Ireland Electricity Networks (NIE) - the owner of the electricity transmission and distribution networks in Northern Ireland.

Northern Ireland Renewables Obligation (NIRO) - Northern Ireland Renewables Obligation (NIRO) is an environmental scheme to encourage the use of renewable electricity in Northern Ireland. We administer the NIRO in accordance with the NIRO Order on behalf of UREGNI.

Northern Ireland Renewables Obligation Certificate (NIROC) – NIROCs are certificates issued to operators of accredited renewable generating stations in Northern Ireland for the eligible renewable electricity they generate.

P

Photovoltaic (Solar PV) – Solar electricity panels

R

Renewables and CHP Register (R&CHP Register) (The Register) – a web-based system used to manage several schemes that we administer on behalf of government, including the RO.

Renewables Obligation (RO) – one of the main support mechanisms for large-scale renewable electricity projects in the UK.

Renewables Obligation Certificate (ROC) – ROCs are certificates issued to operators of accredited renewable generating stations for the eligible renewable electricity they generate.

Renewables Obligation Order (ROO) – the legislation which underpins the RO scheme. These include the Renewables Obligation Order 2015 (England and Wales), the Renewables Obligation (Scotland) Order 2009 (as amended) and the Renewables Obligation Order (Northern Ireland) 2009 (as amended).

ROS - Renewables Obligation Scotland (ROS) – one of three separate, but similar pieces of legislation which govern the RO scheme.

Retail Price Index (RPI) – a measure of inflation published monthly by the Office for National Statistics which measures the change in the cost of a representative sample of retail goods and services.

S

Scottish Renewables Obligation (SRO) – an environmental scheme to encourage the use of renewable electricity in Northern Ireland.

Scottish Renewables Obligation Certificates (SROC) – One of three types of certificates which collectively make up all ROCs issued under the RO scheme.

T

Total Installed Capacity (TIC) – The maximum capacity an installation can be operated at over a sustained period without damaging it (assuming the source of power used by it to generate electricity was available to it without interruption).

TW – Terawatt, equal to one trillion watts.

TWh – Terawatt hour, equivalent to one trillion watt hours of electricity output.