

Renewable Energy Report

April 2022 - March 2023

UNIVERSITY OF STRATHCLYDE



Introduction

This report provides an overview of UNIVERSITY OF STRATHCLYDE renewable electricity supply for the period April 2022 to March 2023, provided by way of Renewable Energy Guarantee of Origin (REGO) backed power.

Under applicable greenhouse gas reporting standards, this enables UNIVERSITY OF STRATHCLYDE to state it receives a zero carbon electricity supply from EDF for specific sites.

UK Renewable

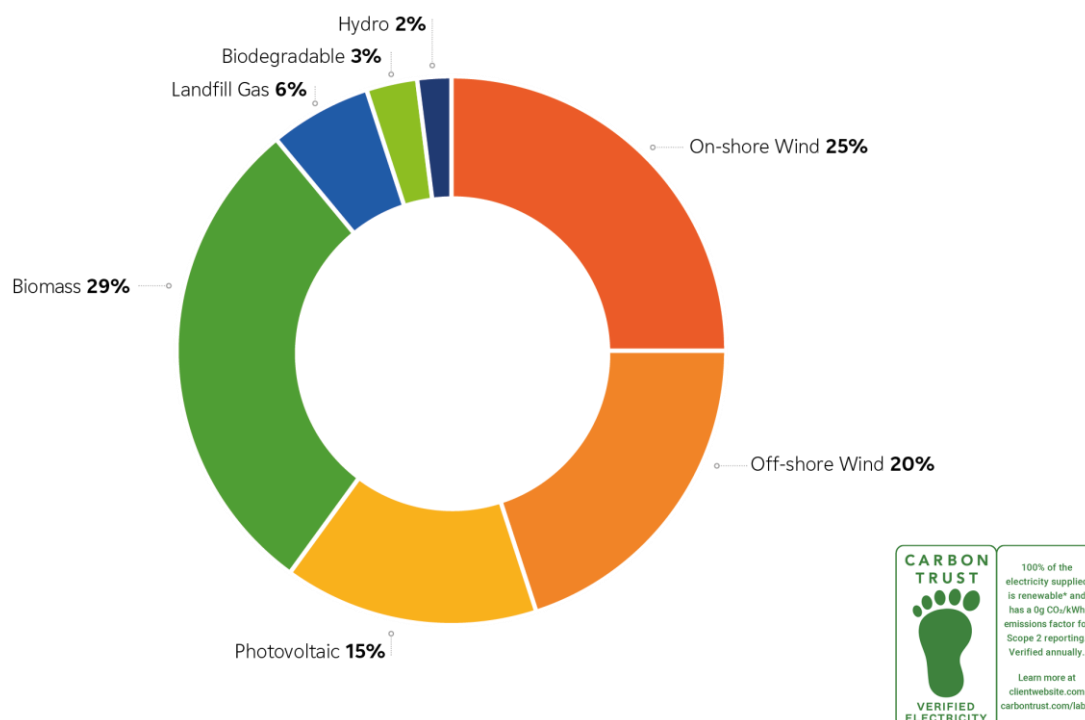
UK Renewable * is one of EDF's verifiable renewable electricity supply products for I&C customers, which is fully backed by REGOs. The Renewable product, and its adherence to the GHG Protocol 'Scope 2' guidance and UK Fuel Mix Disclosure regulations, is governed by strict internal processes. We look forward to working with the Carbon Trust, who will be providing auditing and assurance for our REGO allocations for all future periods. We recently completed and passed the 2022/23 audit.

REGOs are electronic certificates awarded to accredited renewable generators for each Megawatt Hour (MWh) of power they generate. They are primarily used by UK electricity suppliers for Fuel Mix Disclosure purposes, to certify the proportion of renewable energy within their overall supply mix.

A REGO is regarded as having the attributes necessary to convey the low carbon benefits of renewable energy in the UK and EU. A robust internal accounting process is required in order to demonstrate that no double-counting has taken place.

Figure 1 illustrates the renewable sources used to back renewable electricity supply between April 2022 and March 2023. Appendix A details the REGOs assigned by EDF for UNIVERSITY OF STRATHCLYDE.

Figure 1: EDF Renewable Fuel Mix 2022/23:



**100% of the electricity supplied is renewable, backed by certificates of renewable energy guarantees of origin. The emission factor conforms with the GHG Protocol Scope 2 guidance and may be used for the 'market-based' method.*

EDF supplied UNIVERSITY OF STRATHCLYDE with 20208 Megawatt Hours (MWh) of renewable (REGO backed) energy during the period 1st April 2022 to 31st March 2023.

EDF product labels

Each year EDF publishes 'product labels' alongside its overall Fuel Mix data, which detail the composition of each energy type it supplies. Table 1 summarises the attributes of its Renewable product against the UK average fuel mix. The carbon intensity, or 'emissions factor', of the product is 0 grams of Carbon Dioxide per kilowatt hour, compared to a national average of 186.

Table 1: EDF product labels versus UK average:

EDF's fuel mix per tariff or product	Coal	Gas	Nuclear	Renewable	Other	CO ₂ g/kWh	Radioactive waste g/kWh
Zero Carbon⁽¹⁾	0.0%	0.0%	100.0%	0.0%	0.0%	0	0.0070
Renewable⁽²⁾	0.0%	0.0%	0.0%	100.0%	0.0%	0	0.0000
All other⁽³⁾	2.9%	30.4%	57.9%	6.5%	2.3%	159	0.0041
UK Average fuel mix	3.4%	39.3%	13.9%	40.8%	2.6%	186	0.0010

The figures for UK average fuel mix are provided by the Department for Energy Security & Net Zero (DESNZ).

⁽¹⁾ Zero carbon: Zero carbon tariffs and products include any sold as 'nuclear backed', such as Zero Carbon for Business (formerly Blue for Business).

⁽²⁾ Renewable: All renewable tariffs and products.

⁽³⁾ All other: All other tariffs and products - tariffs not referred to as Zero Carbon or Renewable.

The nuclear backed and renewable electricity that we buy for Residential, SME, Zero Carbon for Business (formerly Blue for Business) or Renewable tariffs and products is supplied into the National Grid. Customers receive that electricity through the National Grid, not directly from zero-carbon generators.

Greenhouse Gas reporting

The Greenhouse Gas Protocol (GHG Protocol) is the most widely used international accounting tool for organisations to understand, quantify, and manage greenhouse gas emissions. It is also the standard used by CDP¹, the world's largest carbon reporting initiative for businesses. Under GHG Protocol Scope 2 Guidance, companies are advised to report greenhouse gas emissions from purchased energy using "Market-based" (contract-specific) emissions factors alongside the "Location-based" figure (local Grid average).

The comprehensive management processes underpinning the Renewable products enable you to report a Market-based emissions factor of Zero grams CO₂ per kilowatt hour for electricity purchased from EDF.

Further information on the GHG Protocol is available here: <http://www.ghgprotocol.org/>

¹ Formerly the Carbon Disclosure Project

Appendix A: Renewable electricity supply

EDF supplied UNIVERSITY OF STRATHCLYDE with 20208 Megawatt Hours (MWh) of electricity backed by REGOs during the period 1 April 2022 to 31 March 2023. The REGOs assigned by EDF are detailed in Table 2. Each REGO represents 1 MWh of renewable electricity and has a unique identifier.

Table 2: REGOs assigned for UNIVERSITY OF STRATHCLYDE

Month	Start Certificate ID	End Certificate ID	Technology	No of Certificates	Generator
01-Jan-23	G01715BWEN000000000010123310123GEN	G01715BWEN0000001463010123310123GEN	Biomass	1464	Brigg REP
01-Feb-23	G01572BWEN000000000010223280223GEN	G01572BWEN0000018743010223280223GEN	Biomass	18744	Sleaford REP

EDF has ringfenced the above REGOs for UNIVERSITY OF STRATHCLYDE and they will not be allocated or counted against any other claim other than EDF's overall Fuel Mix Disclosure.

The certificate IDs are provided for information only and do not imply any transfer of right of ownership or recourse to the original generation source. Any information linked to these certificates, aside from the generation technology, is not to be made public or disclosed to any third party.

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