

# Renewable Energy Report

April 2020 - March 2021

University of Strathclyde



## Introduction

This report provides an overview of University of Strathclyde renewable electricity supply for the period April 2020 to March 2021, 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.

The Carbon Trust has assured that the electricity supplied for the year ended in 31 March 2021 under the following products – Renewable for Business, Select Renewable, Clean Renewable and UK Renewable – all of which are under the umbrella of the "Renewable tariffs" is 100% covered by Renewable Certificates that have been obtained and retired by EDF, in line with the WRI GHG Protocol Scope 2 Guidance (2015).



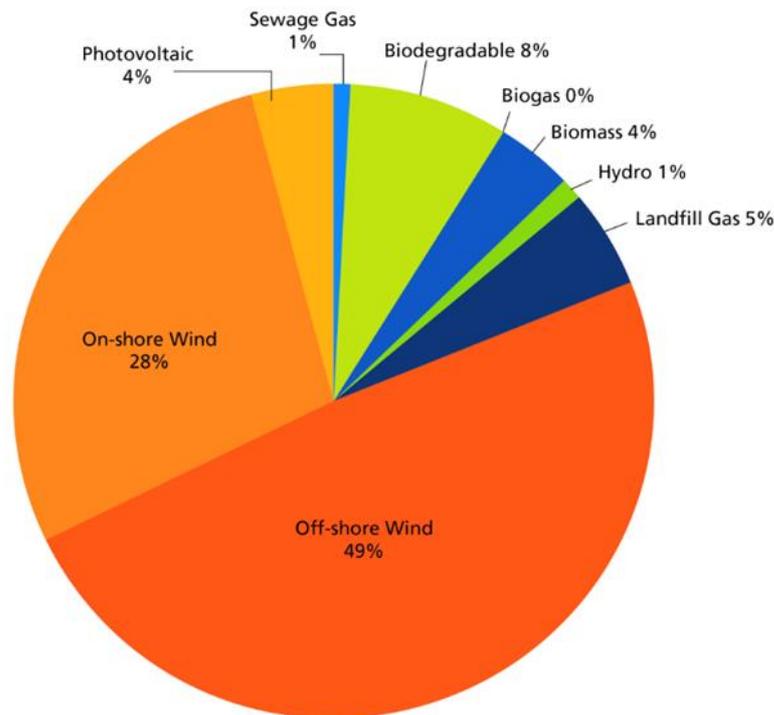
\*100% of the electricity supplied is renewable, backed by certificates of renewable energy guarantees of origin. Emission factor compliant with the GHG Protocol Scope 2 Guidance and to be used for the 'market-based method'.

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. 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 2020 and March 2021. Appendix A details the REGOs assigned by EDF for University of Strathclyde.

Figure 1: EDF Renewable Fuel Mix 2020/21



EDF supplied University of Strathclyde with 11,421 Megawatt Hours (MWh) of renewable (REGO backed) energy during the period 1st April 2020 to 31st March 2021.

## 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 182.

Table 1: EDF product labels versus UK average:

EDF's fuel mix per tariff or product	Coal	Gas	Nuclear	Renewable	Other	CO <sub>2</sub> g/kWh
Zero Carbon (1)	0.0%	0.0%	100.0%	0.0%	0.0%	0
Renewable (2)	0.0%	0.0%	0.0%	100.0%	0.0%	0
All other (3)	4.0%	22.7%	38.8%	34.1%	0.4%	129
UK average fuel mix	2.7%	38.2%	16.1%	40.3%	2.7%	182

1 All Zero Carbon for Business tariffs and products (formerly Blue for Business)

2 All renewable tariffs and products (includes EV tariff)

3 All other tariffs and products - tariffs not referred to as Zero Carbon or Renewable

## 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 CDP<sup>1</sup>, 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 CO<sub>2</sub> per kilowatt hour for electricity purchased from EDF.

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

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<sup>1</sup> Formerly the Carbon Disclosure Project

## Appendix A: Renewable electricity supply

EDF supplied University of Strathclyde with 11,421 Megawatt Hours (MWh) of electricity backed by REGOs during the period 1 April 2020 to 31 March 2021. 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
01/12/2020	G02620NWSC0000023750011220311220GEN	G02620NWSC0000025537011220311220GEN	Wind	1,788
01/12/2020	G01480NWSC0000002205011220311220GEN	G01480NWSC0000011837011220311220GEN	Wind	9,633

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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