

Renewable Energy Report

University of Strathclyde

April 2018 – March 2019



Introduction

This report provides an overview of University of Strathclyde renewable electricity supply for the period April 2018 to March 2019, 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 Energy for specific sites.

Renewable for Business

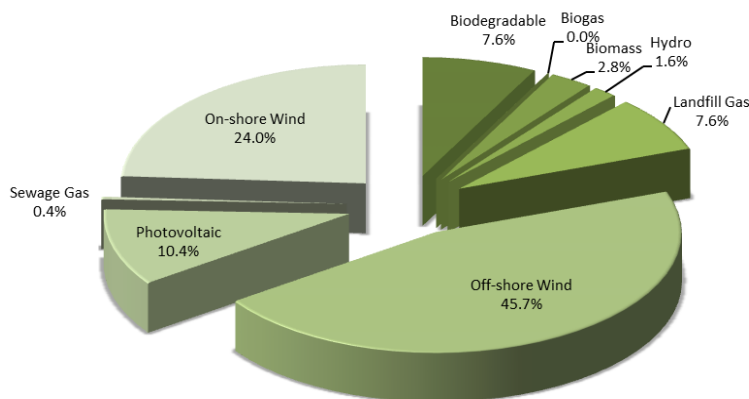
Renewable for Business is one of EDF Energy's verifiable renewable electricity supply products for I&C customers, which is fully backed by REGOs.

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 2018 and March 2019. Appendix A details the REGOs assigned by EDF Energy for University of Strathclyde.

[Figure 1: EDF Energy Renewable Fuel Mix 2018/19:](#)



EDF Energy supplied University of Strathclyde with 30,685 Megawatt Hours (MWh) of renewable (REGO backed) energy during the period 1st April 2018 to 31st March 2019.

EDF Energy product labels

Each year EDF Energy 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 225.

[Table 1: EDF Energy product labels versus UK average](#)

Energy type	Coal	Gas	Nuclear	Renewable	Other	CO2 g/kWh
Blue	0.00%	0.00%	100.00%	0.00%	0.00%	0
Renewable	0.00%	0.00%	0.00%	100.00%	0.00%	0
All other (Residual)	9.15%	19.07%	71.50%	0.00%	0.28%	153
UK Average Fuel Mix	5.20%	41.40%	18.70%	32.80%	1.90%	208

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 Energy.

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 Energy supplied University of Strathclyde with 30,685 Megawatt Hours (MWh) of electricity backed by REGOs during the period 1 April 2018 to 31 March 2019. The REGOs assigned by EDF Energy 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
01/04/2018	G02590NWEN000000000010418300418GEN	G02590NWEN0000002761010418300418GEN	Wind	2762
01/04/2018	G06159PVEN000000000010418310818GEN	G06159PVEN0000002778010418310818GEN	Photovoltaic	2779
01/06/2018	G06325PVEN000000000010618300618GEN	G06325PVEN0000002769010618300618GEN	Photovoltaic	2770
01/06/2018	G01080LGEN000000055010618300618GEN	G01080LGEN0000002898010618300618GEN	Landfill Gas	2844
01/09/2018	G01420BWEN0000007451010918300918GEN	G01420BWEN0000010273010918300918GEN	Biomass	2823
01/09/2018	G01080LGEN000000051010918300918GEN	G01080LGEN0000002892010918300918GEN	Landfill Gas	2842
01/10/2018	G00006MWEN000000000011018311018GEN	G00006MWEN0000002590011018311018GEN	Biodegradable	2591
01/10/2018	G01080LGEN000000025011018311018GEN	G01080LGEN0000002827011018311018GEN	Landfill Gas	2803
01/01/2019	G00862NWEN000000000010119310119GEN	G00862NWEN0000002816010119310119GEN	Wind	2817
01/01/2019	G00864MWEN0000007332010119310119GEN	G00864MWEN0000010171010119310119GEN	Biodegradable	2840
01/02/2019	G00619NWEN000000000010219280219GEN	G00619NWEN0000002813010219280219GEN	Wind	2814

EDF Energy has ringfenced the above REGOs for University of Strathclyde and they will not be allocated or counted against any other claim other than EDF Energy'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.