



# RENEWABLE ELECTRICITY

Make a positive change to your organisation's sustainability credentials with EDF Energy's renewable options.





## Report zero carbon emissions from your purchased electricity

Modern carbon reporting standards like the GHG Protocol require organisations to base their carbon emissions reporting on the choice they make for their electricity purchases (called “market-based emissions”), as well as their grid connection (called “location-based emissions”). The idea is that using both numbers gives a fairer, more complete picture of an organisation’s efforts to reduce its carbon emissions by choosing to purchase low-carbon electricity or being more energy efficient.

With our renewable electricity options, your organisation’s electricity supply is backed by certified renewable generation sources which all have a zero emissions rating. That takes your market-based carbon emissions to zero, and with climate change now a mainstream issue, that can only help your business.

Available for both fixed and flexible price supply contracts, our renewable options are backed by REGOs (Renewable Energy Guarantees of Origins) and/or GoOs (Guarantee of Origin). The REGO scheme is administered by Ofgem and is used to provide transparency to consumers about the proportion of electricity that suppliers source from renewable generation in the UK. GoOs are proof that the electricity has been generated by a renewable generation source from an EU country.

- Each megawatt-hour (MWh) is evidenced by a REGO or a GoO.
- The purpose of the certificate is to prove that a given share of energy was produced from renewable sources.

## All from one of Europe’s largest renewable energy generators and purchasers

With 598MW of installed renewable generating capacity, EDF Group is one of the largest renewable generators in Europe. We operate 31 wind farms in the UK with 8 more on the way. We are also a major purchaser of renewable electricity from many independent renewable generators in the UK.

## How can choosing a renewable supply help your business?

### 1. Pitching for new business

Over half of our business customers who sell to other businesses told us that they are asked for information on their environmental credentials when they pitch for sales or contracts. Of these, more than 80% said they're being asked about this more often. Half our business customers who sell to consumers told us they felt their sustainability credentials are important to their customers<sup>^</sup>. By choosing a renewable supply, you can show that your business has made an informed choice – to run on electricity backed by renewable generation.

### 2. Reporting your carbon emissions

Does your business follow global best practice and report its carbon emissions using the Greenhouse Gas Protocol (The GHG Protocol)? Then your choice of electricity supply can make

a big difference to the numbers you report. Choosing a renewable energy supply will allow your business to report zero carbon emissions for its electricity use. This is particularly important for larger businesses who have corporate social responsibility ambitions to join strategic initiatives like the RE100\*.

### 3. Assuring investors and shareholders

CDP (formerly the Carbon Disclosure Project) tracks thousands of companies' climate change strategies and emissions reduction performance to help institutional investors understand the risk in their portfolios. These investors hold assets worth over US100 trillion<sup>^^</sup>. The CDP currently uses the GHG Protocol as the method for companies to report their emissions. Choosing one of our renewable supply options can support your performance in their assessment process.

## Buying low-carbon does not create more low-carbon energy in the UK

It's important to be clear about this. Whether you choose a low-carbon supply backed by renewable or nuclear energy, your purchase does not in itself cause any new low-carbon generation to be produced. The low-carbon electricity that we buy for Blue or renewable products is supplied into the National Grid. Customers receive that electricity through the National Grid, not directly from low-carbon generators.

But your choice does show that your organisation is aware of the carbon intensity of the power it buys and is consistent with widely used standards and guidance in carbon accounting<sup>\*^</sup>. And that's a step in the right direction.



<sup>^</sup>Source: A survey of people most responsible for managing energy contracts in 132 large businesses conducted by McCallum Layton on behalf of EDF Energy from 5/12/2013 to 29/01/2014.

\* Source: [www.there100.org/re100](http://www.there100.org/re100)

<sup>^^</sup> Source: <https://www.cdp.net/en/info/about-us>

<sup>\*^</sup> Source: [www.ghgprotocol.org/standards/corporate-standard](http://www.ghgprotocol.org/standards/corporate-standard)

## How our renewable supply options compare with our Blue for Business and standard offers

Modern carbon reporting standards encourage businesses to use their choice of electricity supply to support their environmental commitments.

We offer three electricity source choices:

**1. Standard:** backed by all electricity generation technologies from lower carbon renewables and nuclear, to higher carbon coal and gas.

**2. Renewable:** backed by Renewable Energy Guarantees of Origin (REGOs) or GoOs (Guarantee of Origin).

**3. Blue for Business:** backed by nuclear generation.

 <b>Blue for Business</b>  Backed by nuclear Generator Declarations  0 carbon emissions	 <b>Renewable</b>  Backed by REGOs or GoOs  0 carbon emissions	 <b>Standard</b>  Backed by a guarantee from the generator  132g/kWh carbon emissions
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## Renewable supply options

We offer a range of renewable supply choices, allowing you to pick the right option for your business.

**Renewable for Business:** Electricity backed by UK REGOs or European GoOs, from a blend of sources including hydro, wind, solar, biomass and landfill gas.

**UK Renewable:** Electricity generated from renewable sources in the UK, backed by REGOs.

**Clean Renewable:** Electricity generated in the UK from wind, solar and/or hydro, backed by REGOs.

**Select Renewable:** If you want your electricity supply sourced from a particular renewable technology or from a geographic region, our Select Renewable option gives you the flexibility, offering a strong sustainability message.

Every year we must publish details of the fuel sources that have been used to generate the electricity we supply to our customers. The information in the table below covers our supply licence for EDF Energy Customers Ltd for the period from April 2018 to March 2019. Our customers' electricity is sourced from our own UK power stations, the wholesale energy market and other independent power generators. We are a major supporter of independent renewable generators.

	 Coal	 Gas	 Nuclear	 Renewable	 Other	 CO <sub>2</sub> g/kWh	 Radioactive waste g/kWh
EDF Energy's fuel mix	5.20%	10.84%	72.07%	11.73%	0.16%	87	0.0050
Contribution to our carbon emissions	55.00%	43.50%	0.00%	0.00%	1.50%		
UK average fuel mix	5.20%	41.40%	18.70%	32.80%	1.90%	208	0.0013
EDF Energy's fuel mix per tariff or product	Coal	Gas	Nuclear	Renewable	Other	CO <sub>2</sub> g/kWh	Radioactive waste g/kWh
Low carbon <sup>1</sup>	0.00%	0.00%	100.00%	0.00%	0.00%	0	0.0070
Renewable <sup>2</sup>	0.00%	0.00%	0.00%	100.00%	0.00%	0	0.0000
All other <sup>3</sup>	9.15%	19.07%	71.50%	0.00%	0.28%	153	0.0050

The figures for UK average fuel mix are provided by the Department for Business, Energy & Industrial Strategy (BEIS).

Depending on the tariff you are on, the fuel source and carbon emissions associated with the generation of your electricity may vary.

For more information on our fuel mix, visit [edfenergy.com/fuelmix](http://edfenergy.com/fuelmix)

<sup>(1)</sup> Low Carbon tariffs and products – includes residential tariffs sold since 7th June 2019, Blue+ tariffs and Blue for Business.

<sup>(2)</sup> All renewable tariffs and products (includes EV tariff)

<sup>(3)</sup> All other tariffs and products - tariffs not referred to as Low Carbon or Renewable

The low-carbon electricity that we buy for Residential, Blue or Renewable tariffs and products is supplied into the National Grid. Customers receive that electricity through the National Grid, not directly from low-carbon generators.

\*\* Choice of a particular generator or site is subject to an agreement being arranged with that site.